

**Final
Remedial Investigation Report
Presidio Main Installation**

Presidio of San Francisco

**Volume V
Figures Sections 7-15**

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13. ABSTRACT (Maximum 200 words)

Dames and Moore has conducted a Remedial Investigation (RI) of the Presidio of San Francisco (PSF), CA. The objectives of the RI included the determination of the nature and extent of contamination at PSF and to quantify both the human health and ecological risk posed by that contamination. The report concludes that, in general, the Presidio does not pose a significant risk to either human health or the environment. There are, however, a number of locations where elevated risks are present. The remedial actions to abate those risks will be identified in a follow-on document called the "Presidio Main Installation, Feasibility Study".

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1. INTRODUCTION

This Final Remedial Investigation (RI) Report presents the results of the Main Installation RI conducted under the direction of the U.S. Army Environmental Center (USAEC), formerly U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) at the Presidio of San Francisco (PSF). This RI report was prepared by Dames & Moore under contract No. DAAA15-90-D-0018 with the USAEC.

Volume V, this volume, of the Final Remedial Investigation Report contains the figures referenced by sections 7 through 15 of the report text in Volume I. Section tabs in this volume correspond to the section tabs in Volume I, making it easy to find the corresponding figure.

The remaining seven volumes contain information as follows: Volume I contains the text of the body of the report. Volume II contains the tables referenced in Volume I. Volume III contains the figures referenced by sections 1 through 5 of Volume I. Volume IV contains the figures referenced by section 6 of Volume I. Volumes VI through VIII contain supporting documentation for the RI in Appendices A through U.

The following report outline shows section and Appendix titles for all eight report volumes and is included in the introduction section of each volume of this RI report.

1.1 Report Outline: Final Remedial Investigation Report Presidio Main Installation, Presidio of San Francisco

The following outline lists the major sections in each of the eight volumes of this RI report.

VOLUME I TEXT

1. Introduction
2. Background
3. Investigation Methods
4. Nike Facility
5. Crissy Field Study Area
6. Building 900s Series Study Area
7. Directorate of Engineering and Housing Study Area
8. Main Post Study Area
9. Fill Sites and Landfills
10. Miscellaneous Sites
11. Golden Gate Bridge Highway and Transportation District Study Area
12. Baker Beach Study Area
13. Battery Howe/Wagner
14. Miscellaneous Follow-on Sites
15. Baseline Risk Assessment
16. References

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1. Introduction
2. Background
3. Investigation Methods
4. Nike Facility
5. Crissy Field Study Area
6. Building 900s Series Study Area
7. Directorate of Engineering and Housing Study Area
8. Main Post Study Area
9. Fill Sites and Landfills
10. Miscellaneous Sites
11. Golden Gate Bridge Highway and Transportation District Study Area
12. Baker Beach Study Area
13. Battery Howe/Wagner
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Introduction

6. Building 900s Series Study Area

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Introduction

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8. Main Post Study Area
9. Fill Sites and Landfills
10. Miscellaneous Sites
11. Golden Gate Bridge Highway and Transportation District Study Area
12. Baker Beach Study Area
13. Battery Howe/Wagner
14. Miscellaneous Follow-on Sites
15. Baseline Risk Assessment

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- B Nike Facility
- C Crissy Field Study Area
- D Building 900s Series Study Area
- E DEH Study Area
- F Main Post Study Area

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- G Fill Sites and Landfills
- H Miscellaneous Sites
- I Golden Gate Bridge Highway and Transportation District Study Area
- J Baker Beach Study Area
- K Battery Howe/Wagner
- L Miscellaneous Follow-on Sites
- M Physical Properties Data
- N Geophysical Data
- O Well and Sample Data
- P Transducer Study
- Q Fate and Transport Data

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Introduction

- R IRA Data
- S Soil Gas Data
- T QA/QC Program
- U Risk Calculation Spreadsheets

1.2 Index of Study Areas, Buildings, and Sites, with Section Numbers

The following index shows where each study area, building, and site is discussed in the RI report. Note, however, that although all listed items are discussed, not all listed items are areas which were investigated in this RI. The index can also be cross referenced with Figure 1.2-1.

For space requirements in the index, and for brevity in the rest of this RI report, the Golden Gate Bridge, Highway, and Transportation District Study Area is abbreviated as GGBHTD Study Area. For the same reasons, the Directorate of Engineering and Housing Study Area is abbreviated as DEH Study Area.

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Letterman Army Medical Center	2. Background
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Main Post Study Area	8. Main Post Study Area
Miscellaneous Follow-on Sites	14. Miscellaneous Follow-on Sites
Miscellaneous Sites	10. Miscellaneous Sites
Mountain Lake	10. Miscellaneous Sites
Nike Facility	4. Nike Facility

Study Area/Building/Site	RI Report Section
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POL Area	5. Crissy Field Study Area
Sewer Lift Station 1	5. Crissy Field Study Area
Sewer Lift Station 2	5. Crissy Field Study Area
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- Figure 10.4-10 Miscellaneous Sites, Building 1351, Concentrations of Lead in Soil
- Figure 10.4-11 Miscellaneous Sites, Building 1351, Concentrations of Manganese in Soil
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- Figure 10.5-9 Miscellaneous Sites, Fort Point U. S. Coast Guard Station, Concentrations of Antimony in Groundwater
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- Figure 12.5-8 Baker Beach Study Area, Disturbed Area 1, Concentrations of Lead in Soil
- Figure 12.5-9 Baker Beach Study Area, Disturbed Area 1, Concentrations of Manganese in Soil

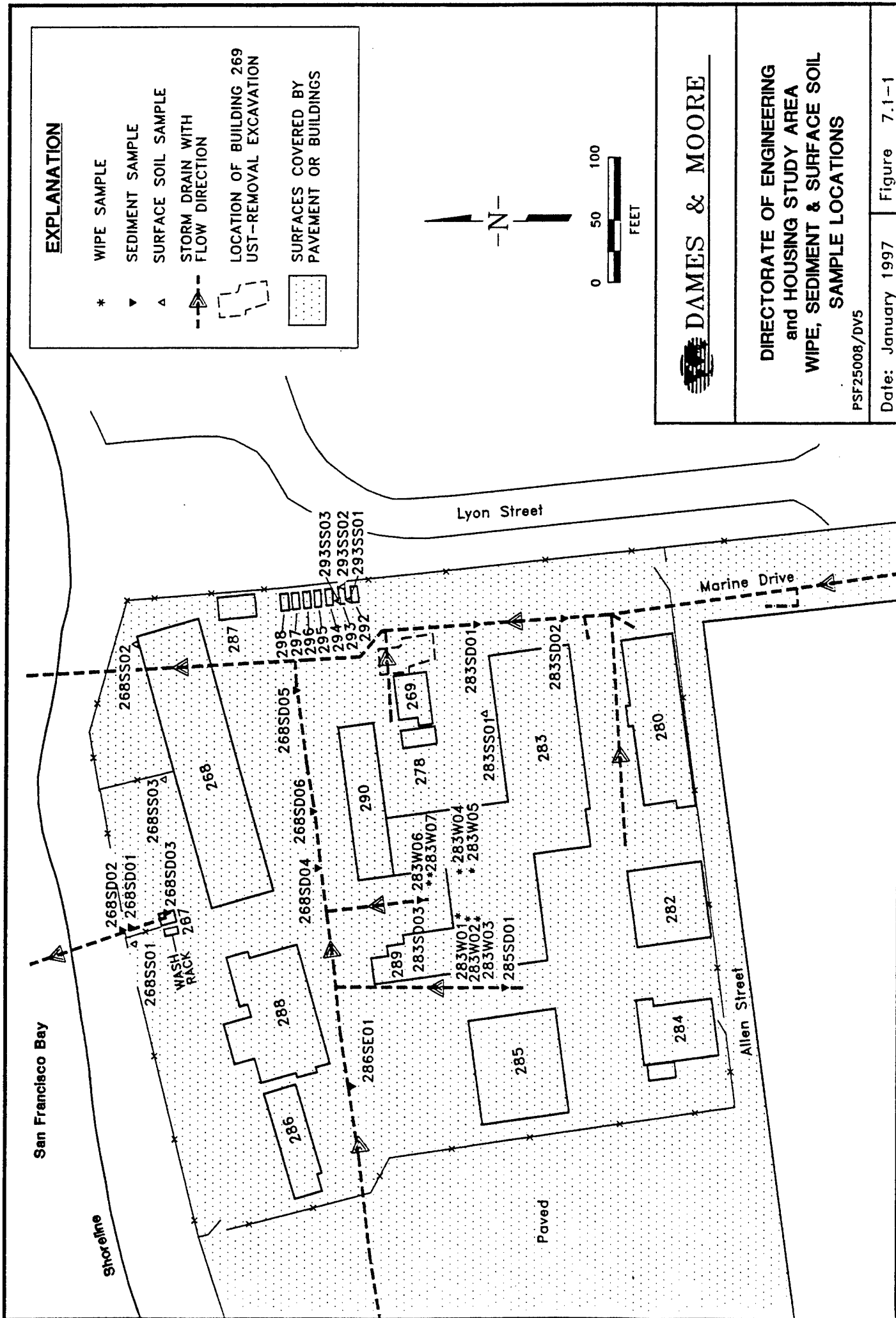
- Figure 12.5-10 Baker Beach Study Area, Disturbed Area 1, Concentrations of Mercury in Soil
- Figure 12.5-11 Baker Beach Study Area, Disturbed Area 1, Concentrations of Nickel in Soil
- Figure 12.5-12 Baker Beach Study Area, Disturbed Area 1, Concentrations of Selenium in Soil
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- Figure 13.5-5 Battery Howe/Wagner, Concentrations of Cadmium in Soil
- Figure 13.5-6 Battery Howe/Wagner, Concentrations of Chromium in Soil
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- Figure 13.5-8 Battery Howe/Wagner, Concentrations of Manganese in Soil
- Figure 13.5-9 Battery Howe/Wagner, Concentrations of Mercury in Soil
- Figure 13.5-10 Battery Howe/Wagner, Concentrations of Nickel in Soil
- Figure 13.5-11 Battery Howe/Wagner, Concentrations of Vanadium in Soil

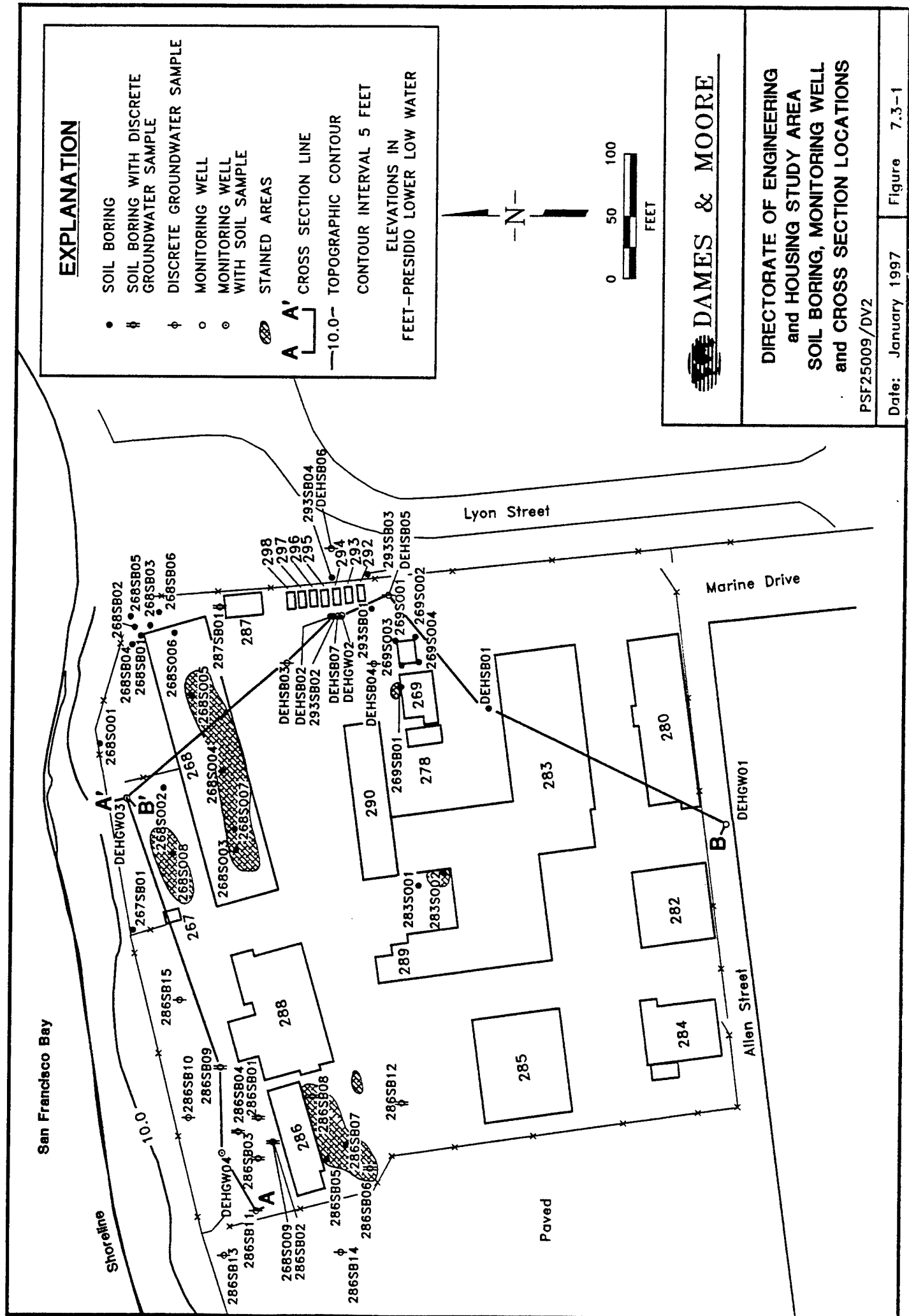
- Figure 13.5-12 Battery Howe/Wagner, Concentrations of Cadmium in Groundwater
- Figure 13.5-13 Battery Howe/Wagner, Concentrations of Chromium in Groundwater
- Figure 13.5-14 Battery Howe/Wagner, Concentrations of Manganese in Groundwater
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- Figure 14.5-1 Miscellaneous Follow-on Sites, Building 1388, Sample Locations
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- Figure 14.7-5 Miscellaneous Follow-on Sites, East of Mason, Concentrations Copper in Soil
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- Figure 14.7-8 Miscellaneous Follow-on Sites, East of Mason, Concentrations of Mercury in Soil
- Figure 14.7-9 Miscellaneous Follow-on Sites, East of Mason, Concentrations of Nickel in Soil
- Figure 14.7-10 Miscellaneous Follow-on Sites, East of Mason, Concentrations of ppDDE in Soil

- Figure 14.7-11 Miscellaneous Follow-on Sites, East of Mason, Concentrations of ppDDT in Soil
- Figure 14.7-12 Miscellaneous Follow-on Sites, East of Mason, Concentrations of Arsenic in Groundwater
- Figure 14.7-13 Miscellaneous Follow-on Sites, East of Mason, Concentrations of Cadmium in Groundwater
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- Figure 15.2-20 Hazard Indices for Fill Site 1, Fill Sites and Landfills
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- Figure 15.2-24 Hazard Indices for Landfill 4, Fill Sites and Landfills
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San Francisco Bay

EXPLANATION

- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊕ DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLE
- (2) ESTIMATED DEBRIS FILL THICKNESS
- - - ESTIMATED DEBRIS FILL CONTOUR (2 FT. INTERVAL)
- DEBRIS FILL THICKNESS BASED ON LITHOLOGIC LOOPIN IN APPENDIX E



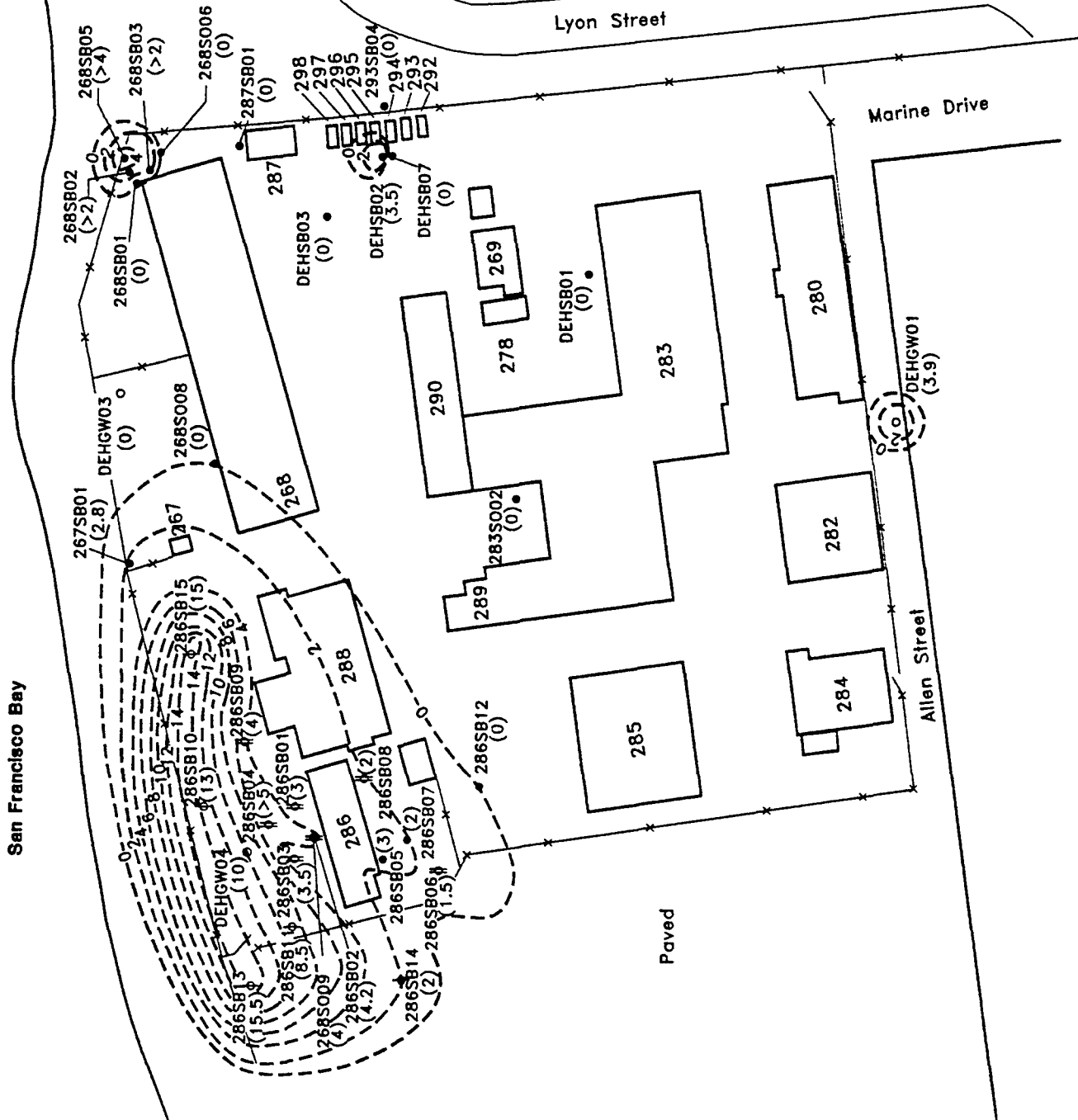
DAMES & MOORE

**DIRECTORATE OF ENGINEERING
and HOUSING STUDY AREA
DEBRIS FILL ISOPACH**

PSF25053/DV2

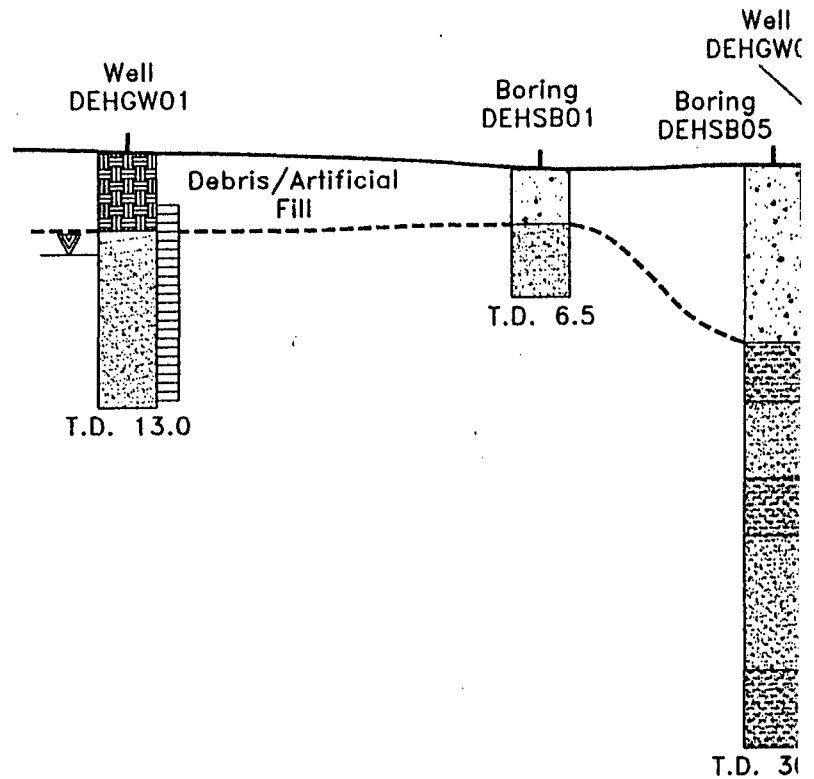
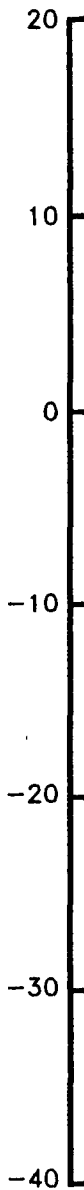
Date: January 1997

Figure 7.3-2



SOUTH B

Elevation
(ft-PLL)



EXPLANATION



Artificial Fill



Debris Fill



Clay



Silt



Sand



Contact, dashed where inferred



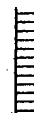
Water Level (03/16/95, 095 High Tide 1050 PST, 5.4 ft-PLL)

T.D.

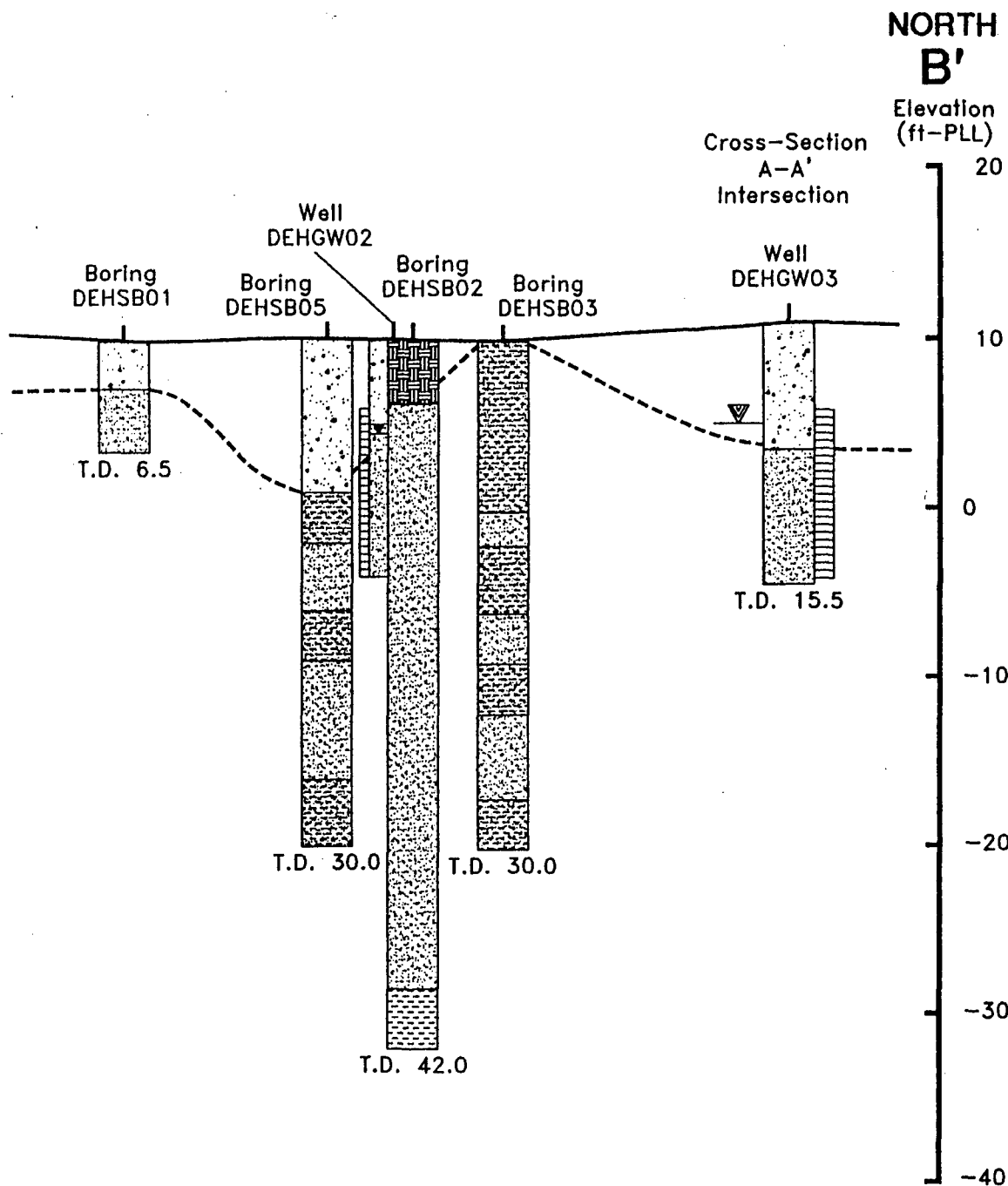
Total Depth (ft bgs)

ft-PLL

feet-Presidio Lower Low Water



Well Screen Interval



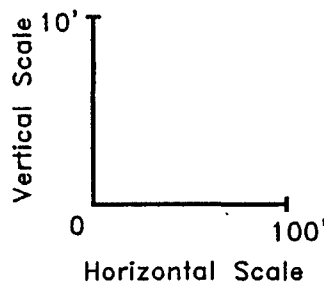
Contact, dashed where inferred

Water Level (03/16/95, 0955-1010 PST,
High Tide 1050 PST, 5.4 ft-PLL)

Total Depth (ft bgs)

feet-Presidio Lower Low Water

Well Screen Interval



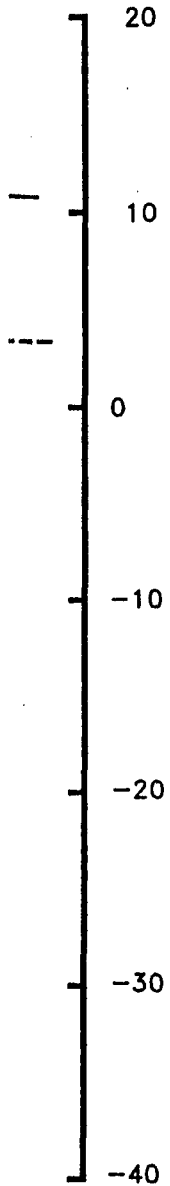
DIRECTORAT
& HOUSIN
CROSS

PSF25039/DV2

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**NORTH
B'**

Elevation
(ft-PLL)



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CROSS SECTION B-B'**

PSF25039/DV2

Date: January 1997

Figure 7.3-4

1
100'
scale

San Francisco Bay

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLE

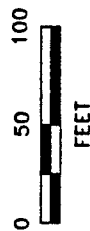
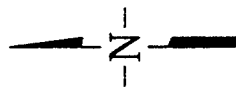
(4.89) POTENTIOMETRIC SURFACE ELEVATION


EQUIPOTENTIAL CONTOUR (DASHED WHERE INFERRED)

CONTOUR INTERVAL 0.1 FEET
GROUNDWATER FLOW DIRECTION

ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER

NOTE: WATER LEVEL MEASUREMENTS
TAKEN 03/16/95, 0955-1010 PST
HIGH TIDE: 1050 PST, 5.4 ft-PLL



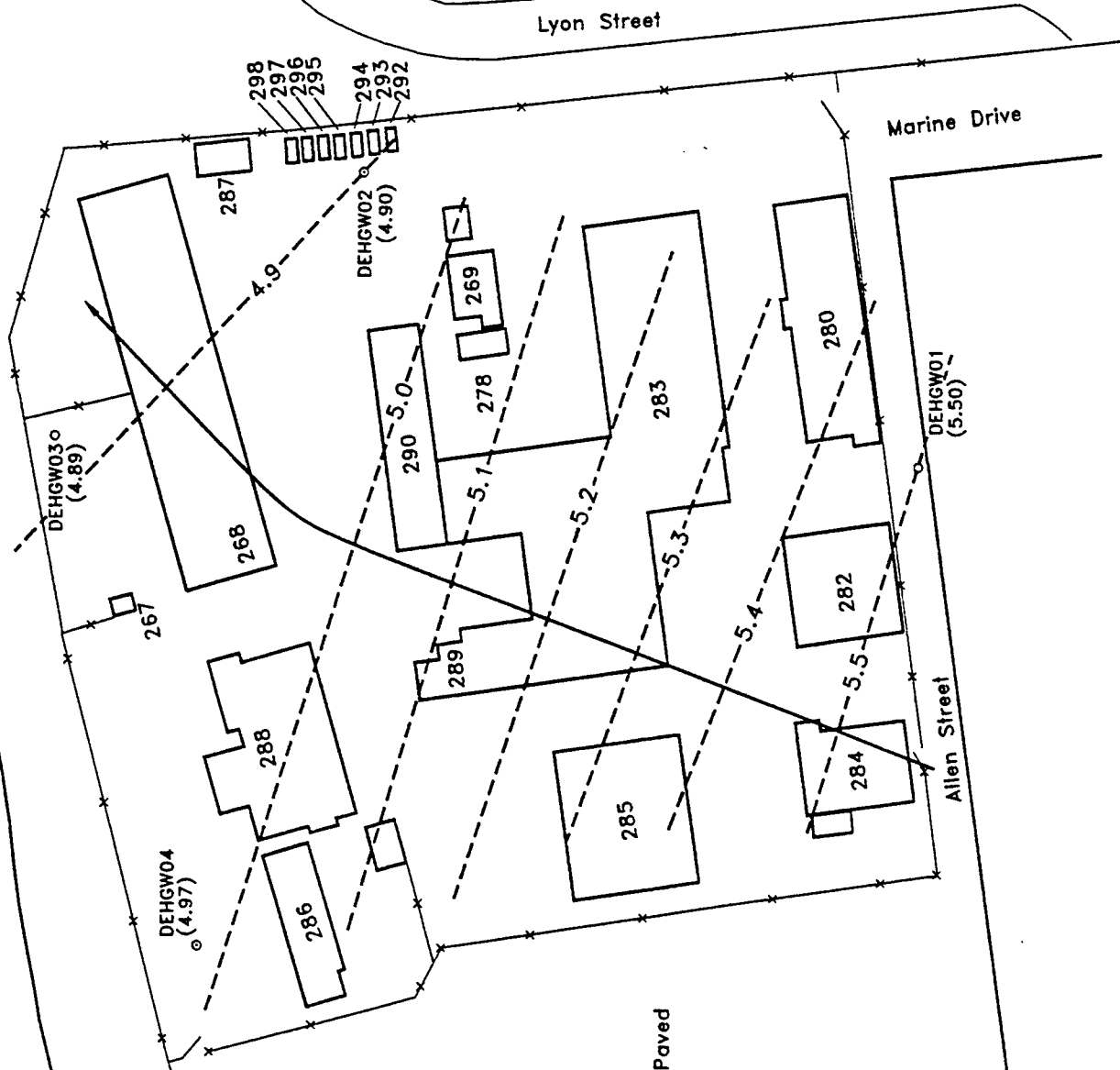
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POTENTIOMETRIC SURFACE MAP
HIGH TIDE, MARCH 1995**

PSF25079/DV2

Date: January 1997

Figure 7.3-5



San Francisco Bay

EXPLANATION

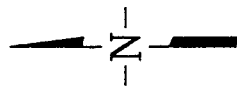
- MONITORING WELL
- ◉ MONITORING WELL WITH SOIL SAMPLE

(4.09) POTENTIOMETRIC SURFACE ELEVATION

EQUIPOTENTIAL CONTOUR (DASHED WHERE INFERRED)
CONTOUR INTERVAL 0.1 FEET
GROUNDWATER FLOW DIRECTION

ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER

NOTE: WATER LEVEL MEASUREMENTS TAKEN 03/16/95, 1644-1653 PST
LOW TIDE: 1650 PST, 0.2 ft-PLL



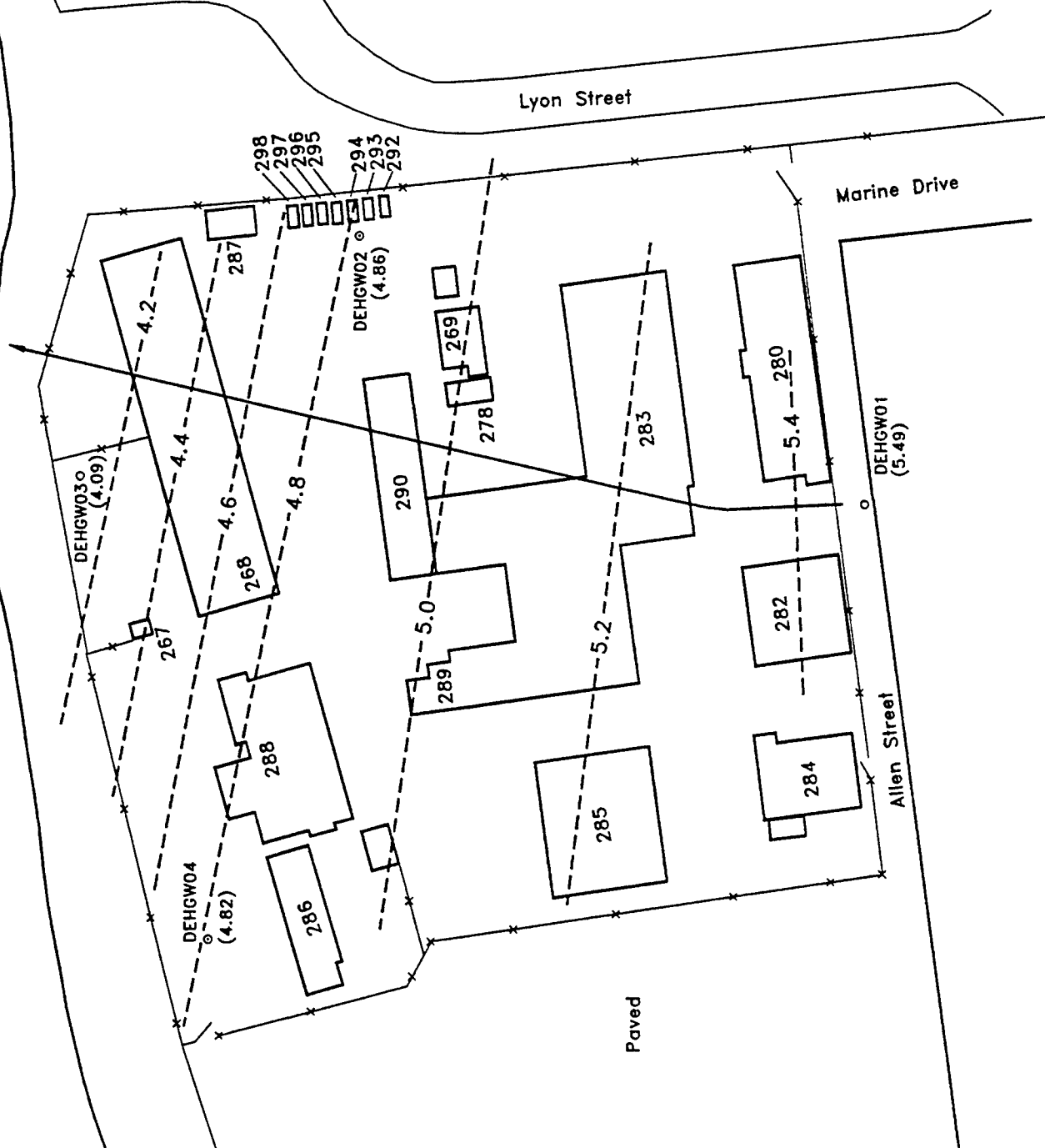
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POTENTIOMETRIC SURFACE MAP
LOW TIDE, MARCH 1986**

PSF25078/DV2

Date: January 1997

Figure 7.3-6



Paved

San Francisco Bay

Shoreline



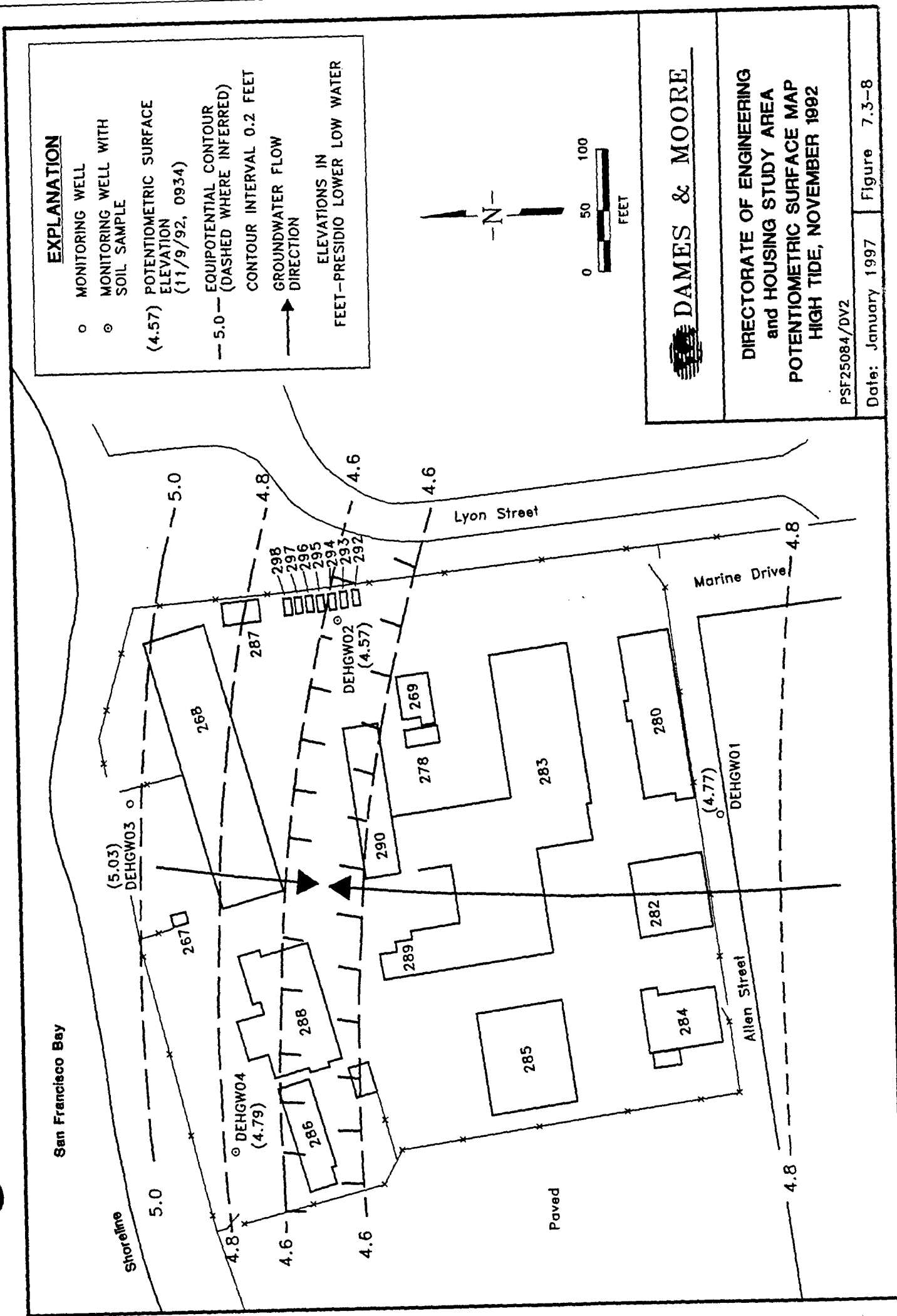
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POTENTIOMETRIC SURFACE MAP
LOW TIDE, NOVEMBER 1992**

PSF25165\DV2

Date: January 1997

Figure 7.3-7



268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Aluminum	17937.701

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	7452.066

268SS	
DEPTH	
LITHOLOGY	
Aluminum	

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	8930.000

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	6794.358

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Aluminum	7218.045

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Aluminum	8300.000 a	11000.000

268S009		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Aluminum	13098.891	12980.639

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	9140	16500

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	16600	3850

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	11300	3200

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	5970	4360

283S001		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	23142.963	7221.542

283S002		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Aluminum	20238.020	6915.347

18 Sep 96 10:16:47 Wednesday, c:\e_11x17_03\mid\middle base_DEHLS_1.gm, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

268SO08	
DEPTH	3.0'
LITHOLOGY	FILL
Aluminum	17937.701

268SO04	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	7452.088

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Aluminum	7830.000

268SO02	
DEPTH	3.0'
LITHOLOGY	BE/DU
Aluminum	17752.488

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	5160

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	8930.000

268SO07	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	6794.358

268SO03	
DEPTH	2.5'
LITHOLOGY	BE/DU
Aluminum	7218.045

DEHGW04	
2.0'	4.0'
BE/DU	BE/DU
8300.000 a	11000.000

268SO09	
6.5'	9.5'
BE/DU	BE/DU
13098.891	12980.639

266SB05		
PTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	9140	16500

266SB07		
PTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	16600	3850

266SB06		
PTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	11300	3200

266SB08		
PTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	5970	4360

263SO01		
1.0'	5.0'	
FILL	BE/DU	
23142.963	7221.542	

263SO02		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Aluminum	20238.020	6915.347

263SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Aluminum	11800.000

DEHSB01	
DEPTH	3.0'
LITHOLOGY	BE/DU
Aluminum	4020.000

OF01SD04		OF01SD01		OF01SD05	
DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
Aluminum	5160	Aluminum	4730	Aluminum	4120

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4890

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	5010

268SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Aluminum	7166.854

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Aluminum	8470.000

268SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	7727.104

268SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Aluminum	10324.104

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	9800.000 a	6310.000

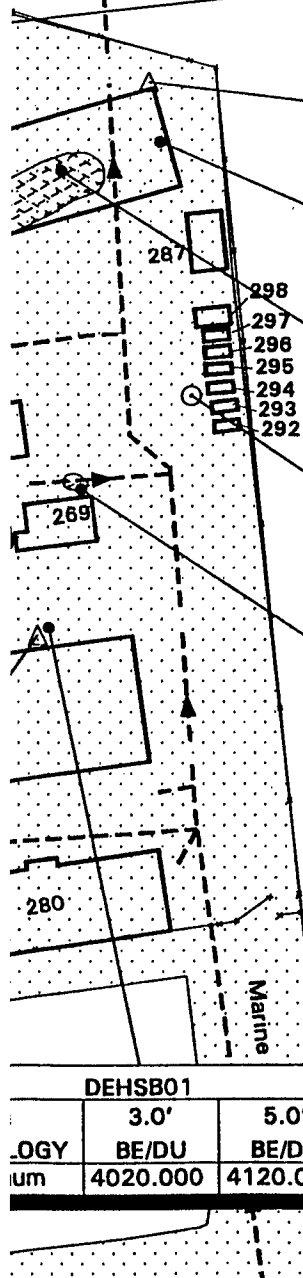
269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Aluminum	5350	4980

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Aluminum	4020.000	4120.000

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy Lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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 CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26297

Date: January 1997

Figure 7.5-1

268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Antimony	< 19.600

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Antimony	< 19.600

268S002	
DEPTH	3.0'
LITHOLOGY	BE/DU
Antimony	< 19.600

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Antimony	< 0.5 p

OF01SD04	
DEPTH	0.0
LITHOLOGY	MIS
Antimony	< 0.1

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	< 19.600

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Antimony	< 19.600

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Antimony	< 19.600

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Antimony	< 19.600

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Antimony	166.000	125.000

268S009		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Antimony	< 19.600	< 19.600

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Antimony	< 0.400 ap	< 0.400 ap

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Antimony	< 0.400 ap	< 0.400 ap

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Antimony	0.214 a	< 0.400 ap

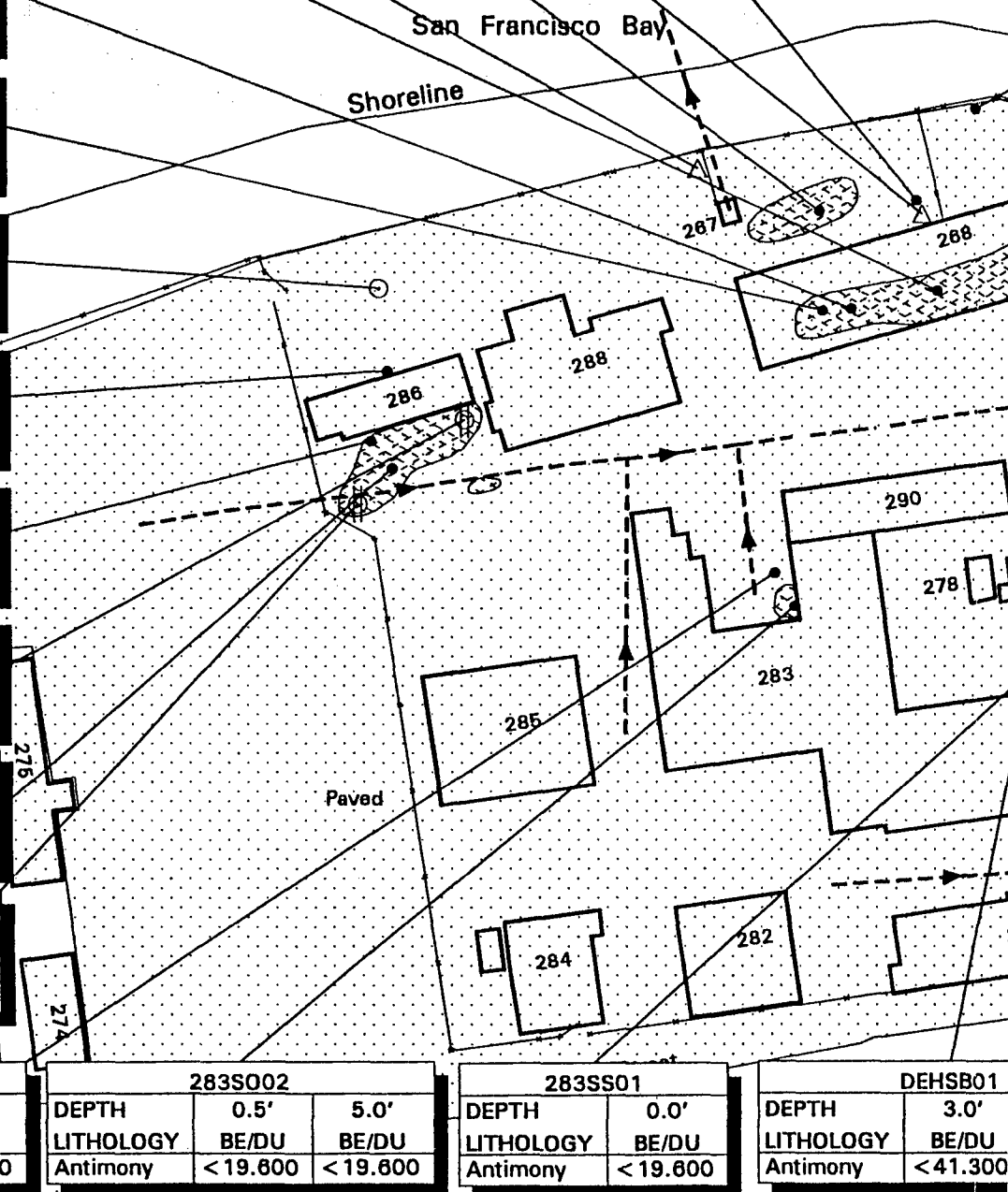
268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Antimony	0.129 a	< 0.400 ap

283S001		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Antimony	< 19.600	< 19.600

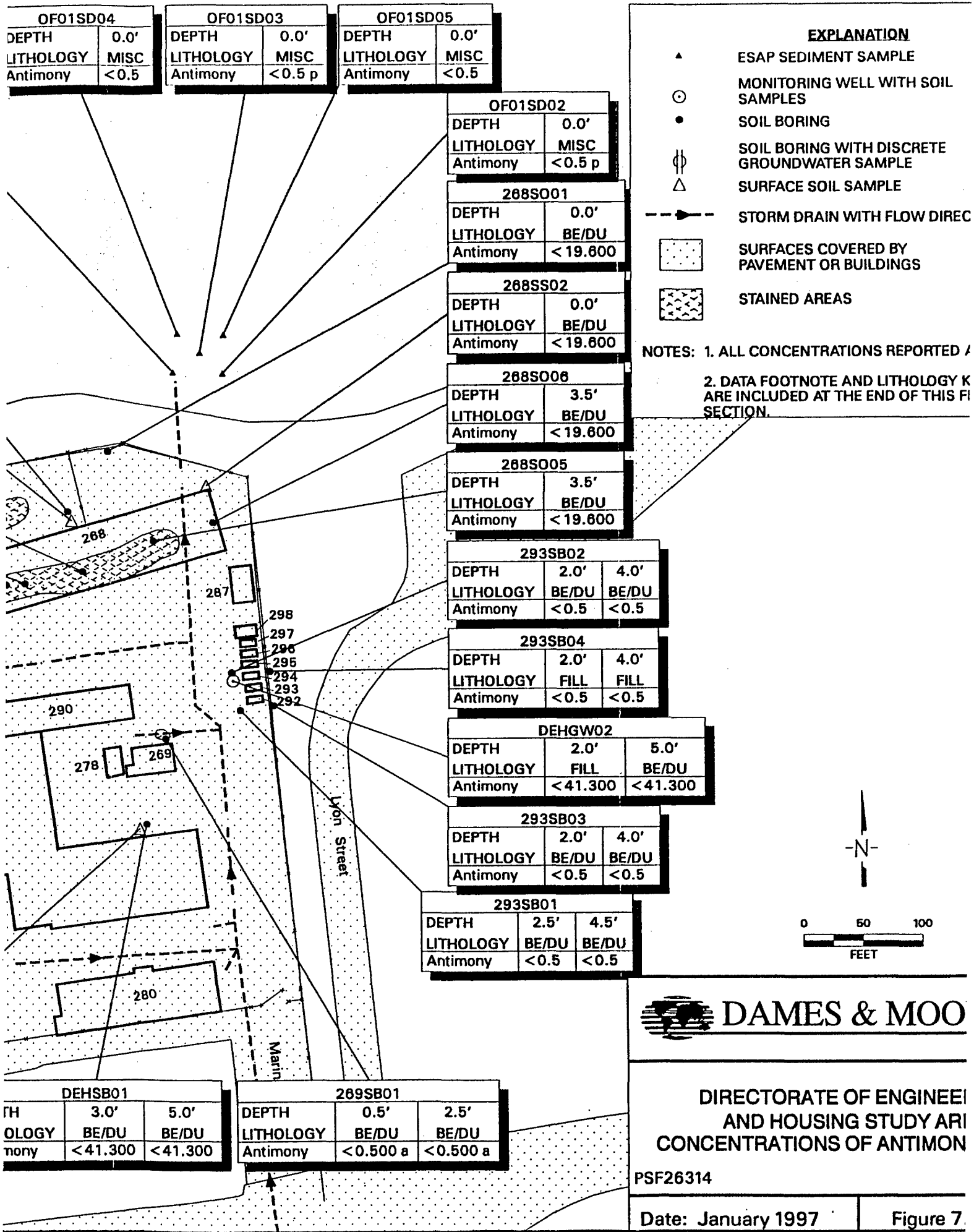
283S002		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Antimony	< 19.600	< 19.600

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Antimony	< 19.600

DEHSB01	
DEPTH	3.0'
LITHOLOGY	BE/DU
Antimony	< 41.300



2



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Stippled] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

1SD02		
	0.0'	
GY	MISC	
	<0.5 p	

38SO01		
	0.0'	
GY	BE/DU	
	<19.800	

88SS02		
	0.0'	
GY	BE/DU	
	<19.800	

88SO06		
	3.5'	
GY	BE/DU	
	<19.800	

88SO05		
	3.5'	
GY	BE/DU	
	<19.800	

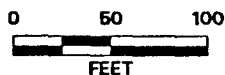
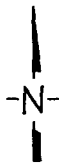
293SB02			
	2.0'	4.0'	
GY	BE/DU	BE/DU	
	<0.5	<0.5	

293SB04			
	2.0'	4.0'	
GY	FILL	FILL	
	<0.5	<0.5	

DEHGW02			
	2.0'	5.0'	
GY	FILL	BE/DU	
	<41.300	<41.300	

293SB03			
	2.0'	4.0'	
GY	BE/DU	BE/DU	
	<0.5	<0.5	

93SB01			
	2.5'	4.5'	
GY	BE/DU	BE/DU	
	<0.5	<0.5	



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 AND HOUSING STUDY AREA
 CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26314

Date: January 1997

Figure 7.5-2

268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Arsenic	3.213

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Arsenic	2.808

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Arsenic	3.280

268S002	
DEPTH	3.0'
LITHOLOGY	BE/DU
Arsenic	4.571

DEPT	
LITHO	
Arsenic	

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	<2.500

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Arsenic	2.942

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Arsenic	2.576

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Arsenic	1.440	9.380

268S009		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Arsenic	21.645	3.924

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	0.802	<1.25 a

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	<0.500 a	1.72 a

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	0.637	3.16 a

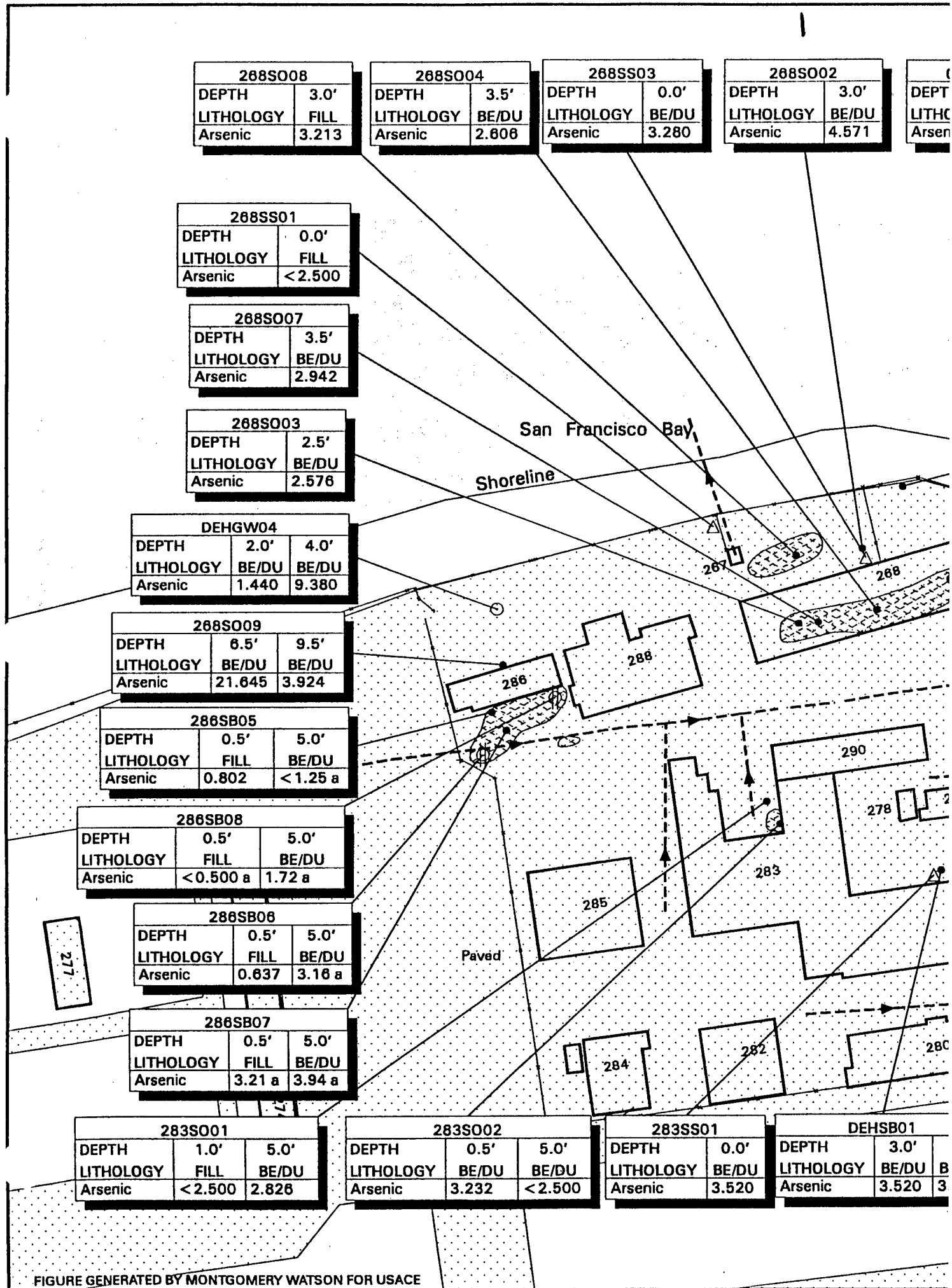
268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	3.21 a	3.94 a

283S001		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	<2.500	2.826

283S002		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Arsenic	3.232	<2.500

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Arsenic	3.520

DEHSB01		
DEPTH	3.0'	
LITHOLOGY	BE/DU	B
Arsenic	3.520	3



2

3.0'	OF01SD04		OF01SD01		OF01SD05	
BE/DU	DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
4.571	LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
	Arsenic	3.97	Arsenic	4.08	Arsenic	3.58

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.37

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.28

288SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Arsenic	4.050

288SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Arsenic	3.590

288SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Arsenic	< 2.500

288SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Arsenic	2.513

293SB04		
DEPTH	2.0'	4.0'
LITHOLOGY	FILL	FILL
Arsenic	2.83	1.52

293SB02		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Arsenic	1.11	1.11

293SB03		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Arsenic	0.708	1.72

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Arsenic	2.790	4.200

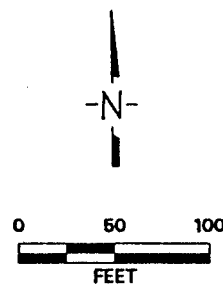
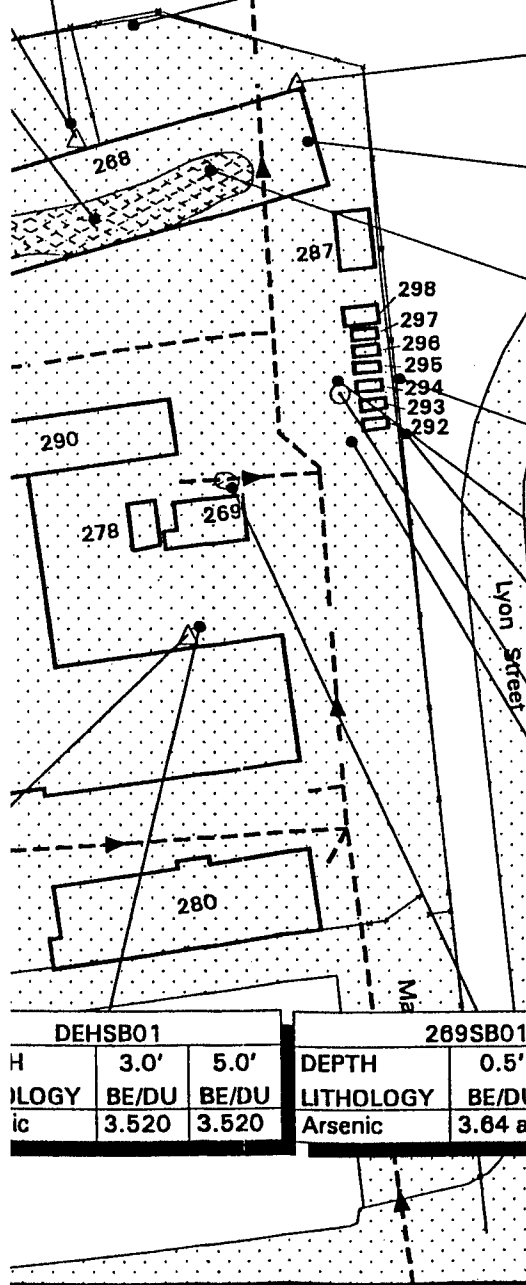
DEHSB01			289SB01		
DEPTH	3.0'	5.0'	DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU	LITHOLOGY	BE/DU	BE/DU
Arsenic	3.520	3.520	Arsenic	3.64 an	3.01 an

293SB01		
DEPTH	2.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Arsenic	1.41	1.72

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN mg/kg.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.





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CONCENTRATIONS OF ARSENIC**

PSF26298

Date: January 1997

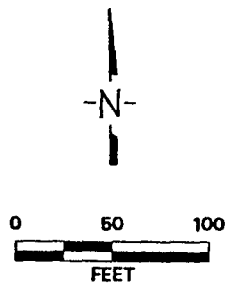
Figure

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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CONCENTRATIONS OF ARSENIC IN SOIL**

PSF26298

Date: January 1997

Figure 7.5-3

268S008		
DEPTH	3.0'	
LITHOLOGY	FILL	
Barium	154.510	

268S004		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Barium	23.223	

268SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Barium	78.800	

268S002		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Barium	161.423	

268SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Barium	49.100	

268S007		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Barium	43.750	

268S003		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Barium	51.932	

DEHGW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Barium	42.200	142.000	

268S009			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Barium	380.765	363.675	

286SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Barium	329	14.9	

286SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Barium	164	316	

286SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Barium	319	9.13	

286SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Barium	299	7.87	

283S001			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Barium	160.339	25.343	

283S002			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Barium	176.738	18.943	

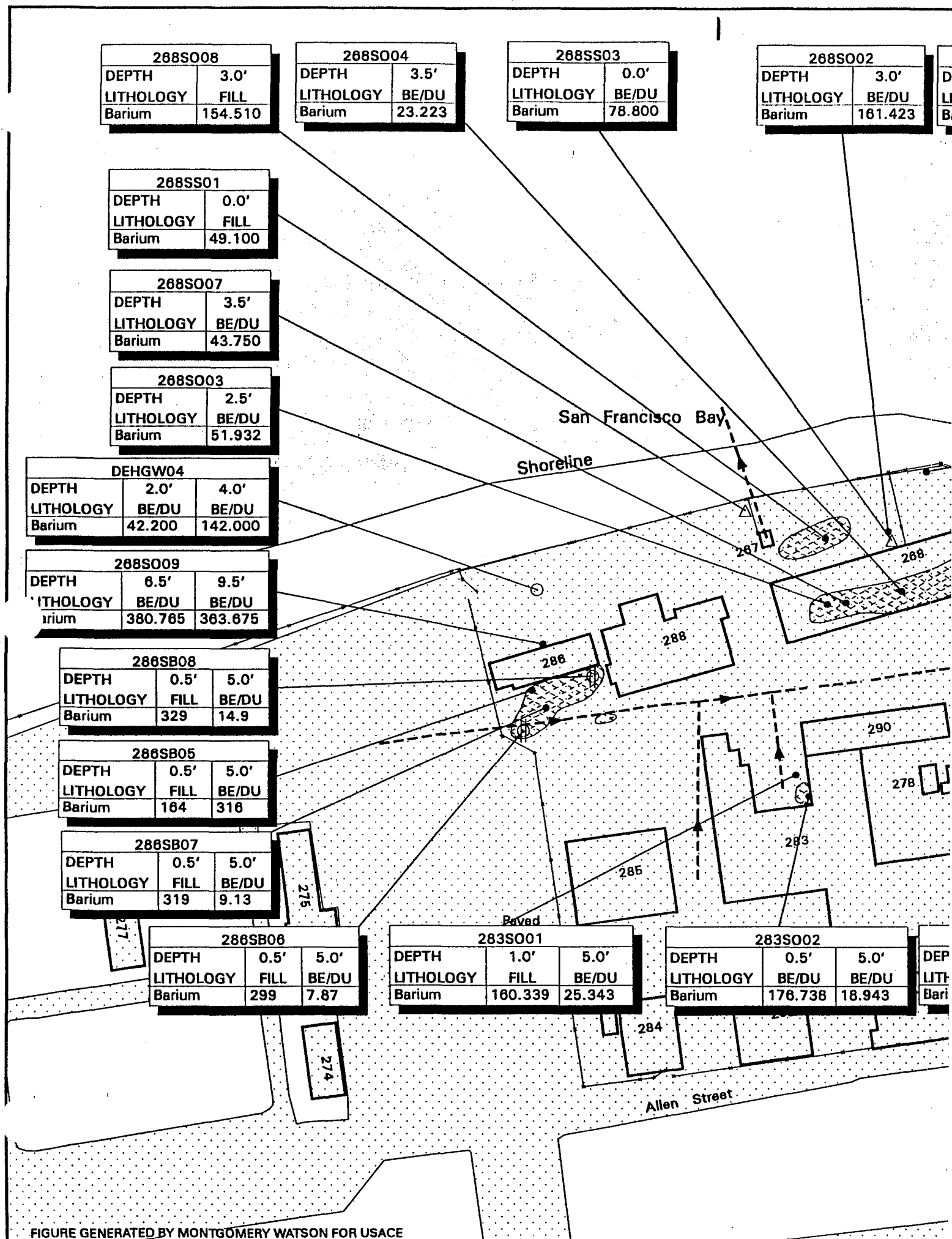


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

268S002		OF01SD04		OF01SD01		OF01SD05	
PTH	3.0'	DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
LITHOLOGY	BE/DU	LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
Barium	161.423	Barium	9.56	Barium	9.03	Barium	9.15

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Barium	8.68

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Barium	10.2

268S001	
DEPTH	0.0'
LITHOLOGY	BE/DU
Barium	39.845

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Barium	76.700

268S006	
DEPTH	3.5'
LITHOLOGY	BE/DU
Barium	37.532

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Barium	41.300	28.700

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Barium	34.4	15.4

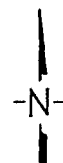
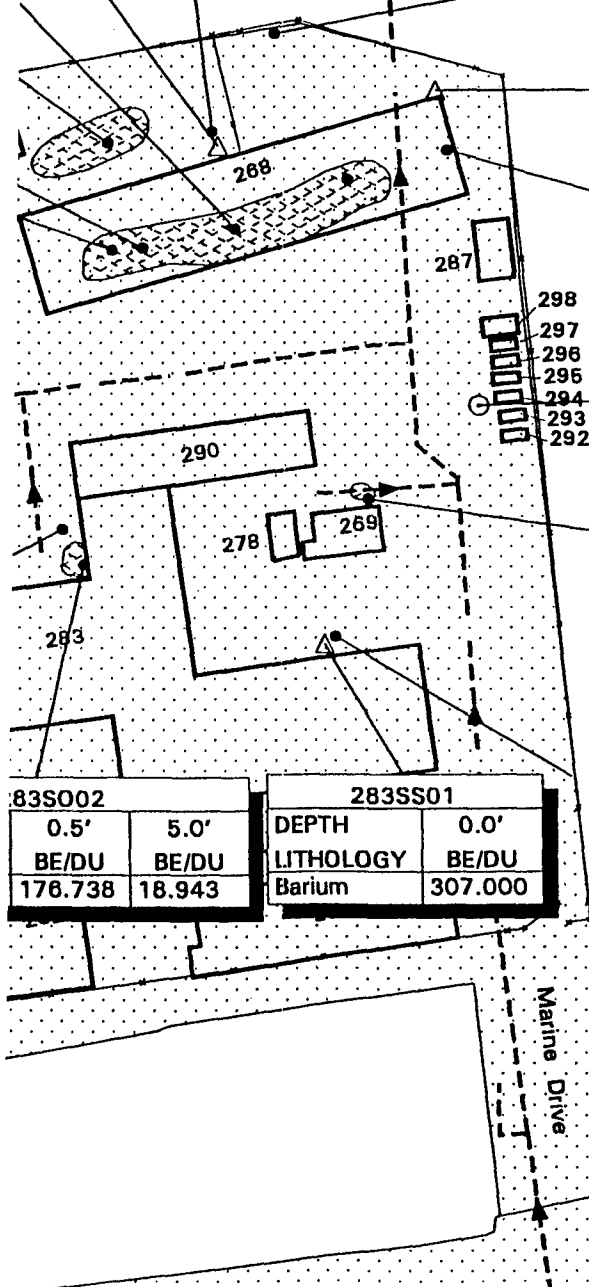
283S002		283SS01	
0.5'	5.0'	DEPTH	0.0'
BE/DU	BE/DU	LITHOLOGY	BE/DU
176.738	18.943	Barium	307.000

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Barium	14.700 f	10.900 f

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISC
- △ GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF SECTION.



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CONCENTRATIONS OF BARIUM

PSF26300

Date: January 1997

F

3

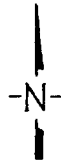
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Stippled] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

5.0'
E/DU
.700

5'
DU
4



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 AND HOUSING STUDY AREA
 CONCENTRATIONS OF BARIUM IN SOIL

PSF26300

Date: January 1997

Figure 7.5-4

268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Beryllium	0.663

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Beryllium	<0.427

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

268S002	
DEPTH	3.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Beryllium	<0.427

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Beryllium	<0.427

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Beryllium	<0.427

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Beryllium	0.730	<0.500

268S009		
DEPTH	8.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Beryllium	0.806	0.939

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	0.625	1.19

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	1.20	0.149

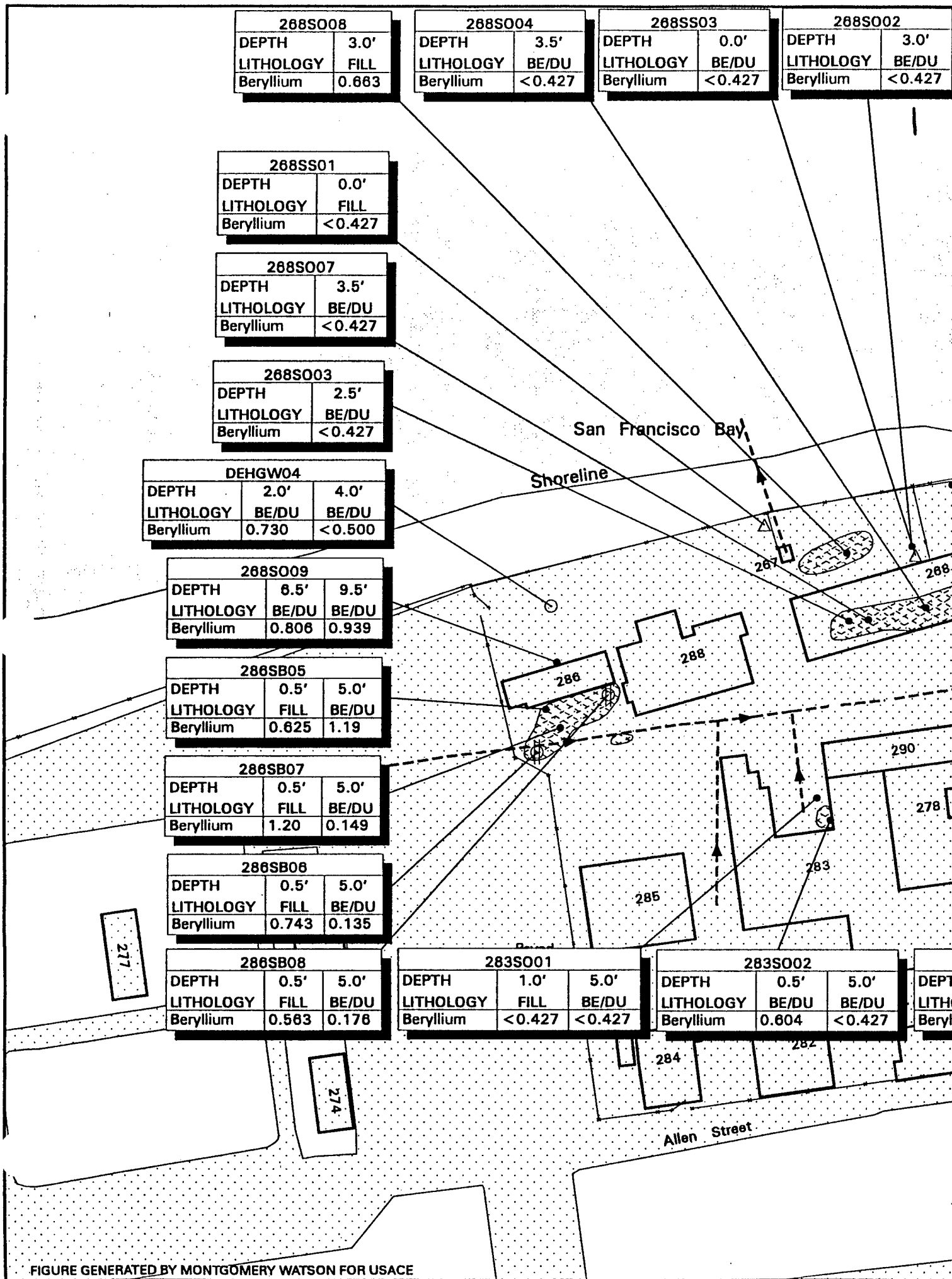
268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	0.743	0.135

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	0.563	0.176

283S001		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	<0.427	<0.427

283S002		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Beryllium	0.604	<0.427

283S003	
DEPTH	5.0'
LITHOLOGY	BE/DU
Beryllium	<0.427



268S002		OF01SD04		OF01SD01		OF01SD05	
DEPTH	3.0'	DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
LITHOLOGY	BE/DU	LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
Beryllium	<0.427	Beryllium	0.17	Beryllium	0.188	Beryllium	0.161

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Beryllium	0.182

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Beryllium	0.183

268S001	
DEPTH	0.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

268S006	
DEPTH	3.5'
LITHOLOGY	BE/DU
Beryllium	<0.427

268S005	
DEPTH	3.5'
LITHOLOGY	BE/DU
Beryllium	<0.427

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Beryllium	<0.500	<0.500

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Beryllium	0.163	0.194

268S002	
DEPTH	5.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Beryllium	<0.427

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Beryllium	<0.500	<0.500

EXPLANATION

▲ ESAP SEDIMENT SAMPLE

2 ○ MONITORING WELL WITH 5 SAMPLES

● SOIL BORING

⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

△ SURFACE SOIL SAMPLE

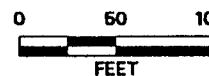
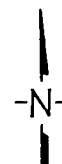
---> STORM DRAIN WITH FLOW

[Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS

[Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER GRAM (PPM).

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY
CONCENTRATIONS OF BERYLLIUM**

PSF26301

Date: January 1997

Fig 1

OF01SD05	
TH	0.0'
LOGY	MISC
lium	0.181

OF01SD03	
TH	0.0'
LOGY	MISC
lium	0.182

OF01SD02	
TH	0.0'
LOGY	MISC
lium	0.183

001	
0.0'	
BE/DU	
<0.427	

S02	
0.0'	
BE/DU	
<0.427	

006	
3.5'	
BE/DU	
<0.427	

005	
3.5'	
BE/DU	
<0.427	

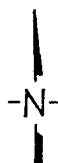
EHGW02	
2.0'	5.0'
FILL	BE/DU
<0.500	<0.500

9SB01	
0.5'	2.5'
BE/DU	BE/DU
0.163	0.194

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



0 50 100
FEET



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF BERYLLIUM IN SOIL**

PSF26301

Date: January 1997

Figure 7.5-5

3

268SO08		
DEPTH	3.0'	
LITHOLOGY	FILL	
Cadmium	< 1.200	

268SO04		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

268SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

268SO02		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

268SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Cadmium	< 1.200	

268SO07		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

268SO03		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

DEHGW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Cadmium	2.660	1.610	

268SO09			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Cadmium	< 1.200	< 1.200	

268SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cadmium	< 0.800	< 0.800	

268SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cadmium	< 0.800	< 0.800	

268SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cadmium	< 0.800	< 0.800	

268SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cadmium	< 0.800	< 0.800	

283SO01			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cadmium	< 1.200	< 1.200	

283SO02			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Cadmium	< 1.200	1.676	

19 Sep 96 16:36:25 Thursday, base: 11x17_v3.amt, plotfile base_DEH.U.S. 6.gm, PSF

SO02
3.0'
BE/DU
<1.200

OF01SD04			
DEPTH	0.0'		
LITHOLOGY	MISC		
Cadmium	<0.8		

OF01SD01			
DEPTH	0.0'		
LITHOLOGY	MISC		
Cadmium	<0.8		

OF01SD05			
DEPTH	0.0'		
LITHOLOGY	MISC		
Cadmium	<0.8		

OF01SD03			
DEPTH	0.0'		
LITHOLOGY	MISC		
Cadmium	<0.8		

OF01SD02			
DEPTH	0.0'		
LITHOLOGY	MISC		
Cadmium	<0.8		

268SO01			
DEPTH	0.0'		
LITHOLOGY	BE/DU		
Cadmium	<1.200		

268SS02			
DEPTH	0.0'		
LITHOLOGY	BE/DU		
Cadmium	<1.200		

268SO08			
DEPTH	3.5'		
LITHOLOGY	BE/DU		
Cadmium	<1.200		

268SO05			
DEPTH	3.5'		
LITHOLOGY	BE/DU		
Cadmium	<1.200		

DEHW02					
DEPTH	2.0'	5.0'			
LITHOLOGY	FILL	BE/DU			
Cadmium	<0.515	<0.515			

269SB01					
DEPTH	0.5'	2.5'			
LITHOLOGY	BE/DU	BE/DU			
Cadmium	<0.800	<0.800			

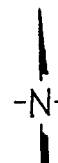
SO02			
0.5'	5.0'		
BE/DU	BE/DU		
1.200	1.676		

283SS01			
DEPTH	0.0'		
LITHOLOGY	BE/DU		
Cadmium	4.470		

DEHSB01					
DEPTH	3.0'	5.0'			
LITHOLOGY	BE/DU	BE/DU			
Cadmium	<0.515	<0.515			

EXPLANATION	
▲	ESAP SEDIMENT SAMPLE
2 ●	MONITORING WELL WITH SAMPLES
●	SOIL BORING
Φ	SOIL BORING WITH DISC
△	GROUNDWATER SAMPLE
△	SURFACE SOIL SAMPLE
---	STORM DRAIN WITH FLOW
▨	SURFACES COVERED BY PAVEMENT OR BUILDING
▩	STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION ARE IN MICROGRAMS PER GRAM (PPM).
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF SECTION.



DAMES & MOORE

DIRECTORATE OF ENGINEERING
AND HOUSING STUDY
CONCENTRATIONS OF CADMIUM

PSF26302

Date: January 1997

Fig

01SD05	
	0.0'
OGY	MISC
m	<0.8

01SD03	
	0.0'
OGY	MISC
m	<0.8

01SD02	
	0.0'
OGY	MISC
m	<0.8

001	
	0.0'
BE/DU	
	<1.200

S02	
	0.0'
BE/DU	
	<1.200

006	
	3.5'
BE/DU	
	<1.200



005	
	3.5'
BE/DU	
	<1.200

DEHGW02	
2.0'	5.0'
FILL	BE/DU
<0.515	<0.515

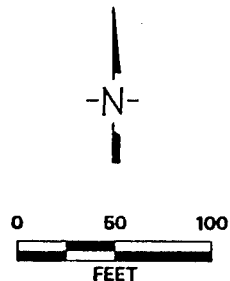
269SB01	
0.5'	2.5'
BE/DU	BE/DU
<0.800	<0.800

y'	
DU	
15	

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- ▶--- STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26302

Date: January 1997

Figure 7.5-6

3

268SO08		
DEPTH	3.0'	
LITHOLOGY	FILL	
Chromium	49.484	

268SO04		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Chromium	275.412	

268SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Chromium	73.900	

268SO02		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Chromium	49.17	

268SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Chromium	50.000	

268SO07		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Chromium	142.932	

268SO03		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Chromium	163.181	

DEHGW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	1040.000	689.000	

268SO09			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	64.028	347.037	

268SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	14.3	125	

268SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	11.4	11.1	

268SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	11.2	35.3	

268SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	13.2	28.6	

268SO01			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	72.297	84.215	

268SO02			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	78.729	59.482	

San Francisco Bay

Shoreline

Paved

Allen Street

268S002		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Chromium	49.171	

OF01SD04		
DEPTH	0.0'	
LITHOLOGY	MISC	
Chromium	28.6 n	

OF01SD01		
DEPTH	0.0'	
LITHOLOGY	MISC	
Chromium	30.3	

OF01SD05		
DEPTH	0.0'	
LITHOLOGY	MISC	
Chromium	28.5 n	

OF01SD03		
DEPTH	0.0'	
LITHOLOGY	MISC	
Chromium	29.7	

OF01SD02		
DEPTH	0.0'	
LITHOLOGY	MISC	
Chromium	34.2	

268S001		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Chromium	35.561	

268SS02		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Chromium	75.600	

268S006		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Chromium	188.995	

268S005		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Chromium	141.855	

DEHGW02			
DEPTH	2.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Chromium	61.400	86.900	

269SB01			
DEPTH	0.5'	2.5'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	78.9	105	

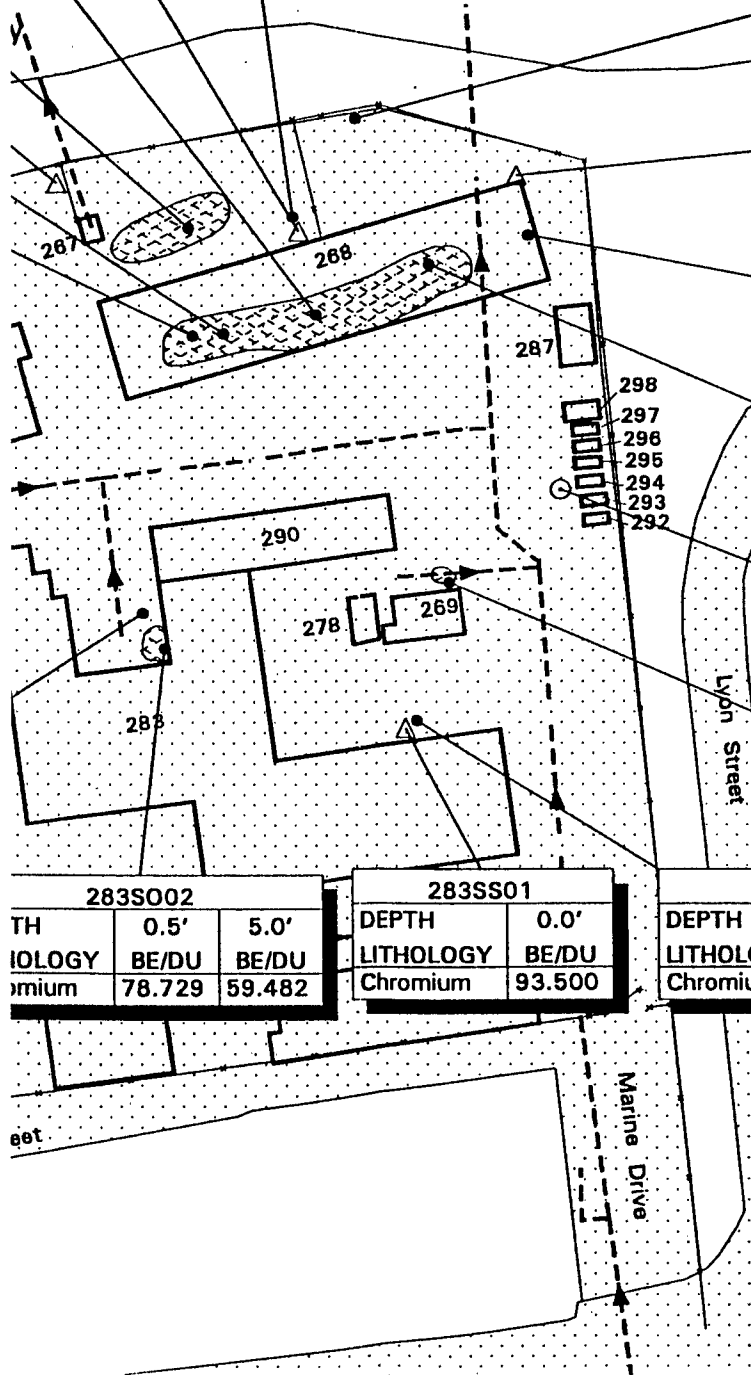
283S002			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	78.729	59.482	

283SS01		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Chromium	93.500	

DEHSB01			
DEPTH	3.0'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Chromium	62.500	44.700	

- EXPLANATION**
- ▲ ESAP SEDIMENT
 - MONITORING WELL SAMPLES
 - SOIL BORING
 - ⊕ SOIL BORING WITH GROUNDWATER
 - △ SURFACE SOIL SAMPLE
 - STORM DRAIN WITH FLOW
 - [Pattern] SURFACES COVERED BY PAVEMENT OR BITUMEN
 - [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER GRAM.
2. DATA FOOTNOTED AT THE END OF THE SECTION.



DIRECTORATE OF
AND HOUSING
CONCENTRATIONS OF

PSF26303

Date: January 1997

OF01SD05		
PTH	0.0'	
HOMOLOGY	MISC	
omium	28.5 n	

01SD03		
	0.0'	
DGY	MISC	
m	29.7	

01SD02		
	0.0'	
DGY	MISC	
m	34.2	

38SO01		
	0.0'	
DGY	BE/DU	
m	35.581	

88SS02		
	0.0'	
DGY	BE/DU	
m	75.600	

88SO06		
	3.5'	
DGY	BE/DU	
m	188.995	

88SO05		
	3.5'	
DGY	BE/DU	
m	141.855	

DEHGW02			
	2.0'	5.0'	
DGY	FILL	BE/DU	
m	61.400	86.900	

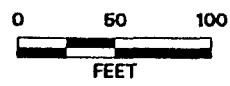
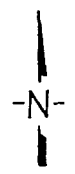
289SB01			
	0.5'	2.5'	
DGY	BE/DU	BE/DU	
m	78.9	105	

0.0'	
BE/DU	
700	

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy Lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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DIRECTORATE OF ENGINEERING
 AND HOUSING STUDY AREA
 CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26303

Date: January 1997, .

Figure 7.5-7

268SO08	
DEPTH	3.0'
LITHOLOGY	FILL
Copper	34.862

268SO04	
DEPTH	3.5'
LITHOLOGY	BE/DU
Copper	7.219

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Copper	27.300

268SO02	
DEPTH	3.0'
LITHOLOGY	BE/DU
Copper	40.570

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Copper	177.000

268SO07	
DEPTH	3.5'
LITHOLOGY	BE/DU
Copper	7.295

268SO03	
DEPTH	2.5'
LITHOLOGY	BE/DU
Copper	8.323

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Copper	50.400	55.500

268SO09		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Copper	329.514	455.194

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	86.5	20.1

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	101	381

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	384	13.0

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	146	11.3

268SO01		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	52.179	5.469

268SO02		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Copper	62.689	4.809

IN Sep 96 18:32:19 Wednesday, 11x17, v3.amt, profile base_DEB1_S_9.gm, P50F

288SO02	
DEPTH	3.0'
LITHOLOGY	BE/DU
Copper	40.570

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.47

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.53

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	3.98

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.79

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	5

288SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Copper	13.826

288SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Copper	26.900

288SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Copper	8.433

288SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Copper	24.076

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Copper	23.100	24.000

289SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Copper	29.2	14.2

283SO02	
0.5'	5.0'
BE/DU	BE/DU
62.889	4.809

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Copper	60.600

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Copper	10.400 f	11.100 f

EXPLANATION

▲ ESAP SEDIMENT SAMPL

○ MONITORING WELL WIT SAMPLES

● SOIL BORING

2 ⊕ SOIL BORING WITH DISC GROUNDWATER SAMPL

△ SURFACE SOIL SAMPLE

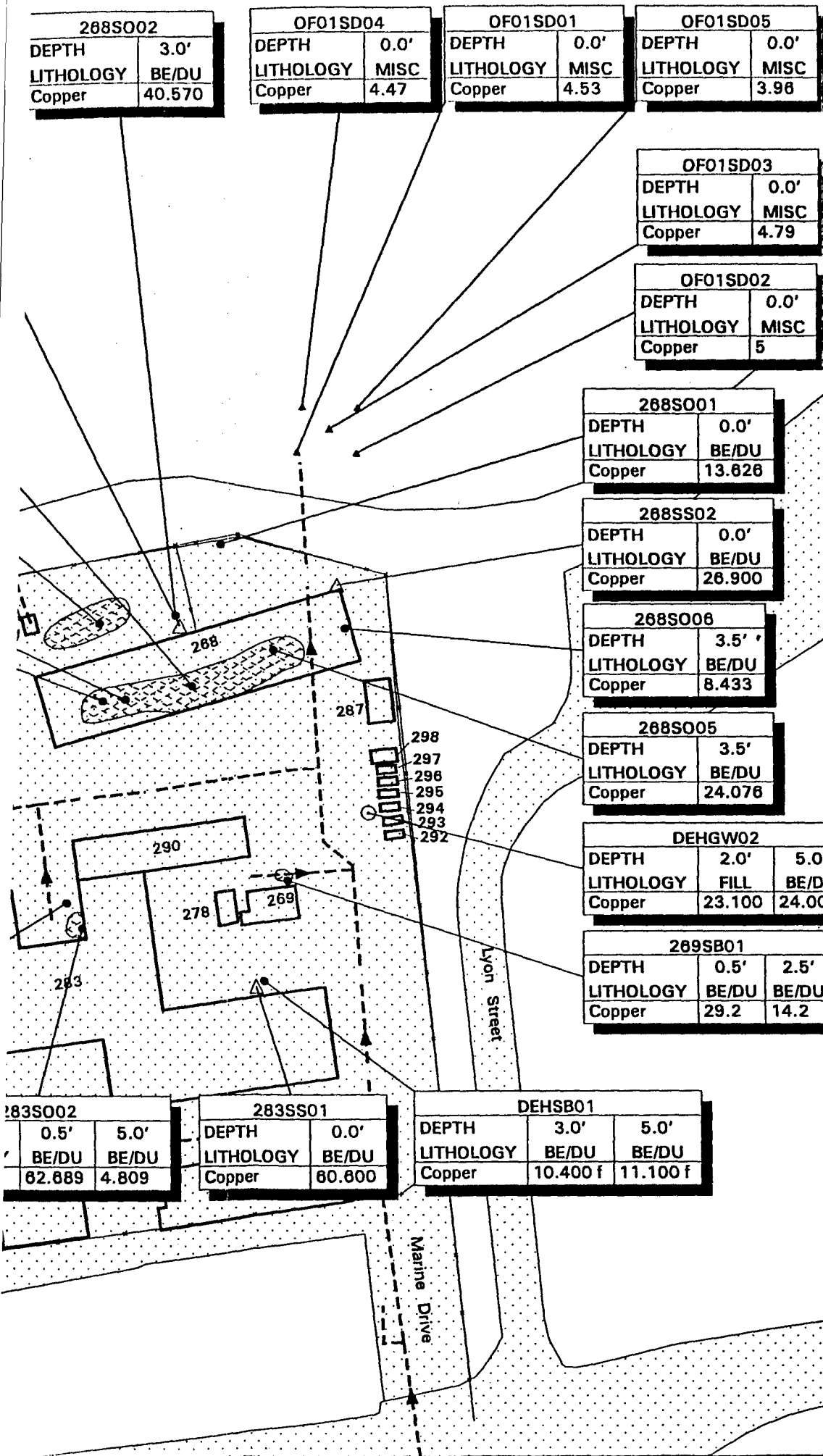
--- STORM DRAIN WITH FL

[Pattern] SURFACES COVERED BY PAVEMENT OR BUILDING

[Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS RE

2. DATA FOOTNOTE AND LITI ARE INCLUDED AT THE END SECTION.



DIRECTORATE OF E
AND HOUSING S
CONCENTRATIONS OF

PSF26305

Date: January 1997

3

OF01SD05	
TH	0.0'
IOLOGY	MISC
per	3.96

OF01SD03	
TH	0.0'
IOLOGY	MISC
per	4.79

OF01SD02	
TH	0.0'
IOLOGY	MISC
per	5

S001	
0.0'	
BE/DU	
13.626	

S02	
0.0'	
BE/DU	
26.900	

O06	
3.5'	
BE/DU	
8.433	

O05	
3.5'	
BE/DU	
24.076	

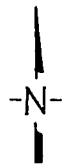
DEHGW02	
2.0'	5.0'
FILL	BE/DU
23.100	24.000

69SB01	
0.5'	2.5'
BE/DU	BE/DU
29.2	14.2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy Lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF COPPER IN SOIL**

PSF26305

Date: January 1997

Figure 7.5-8

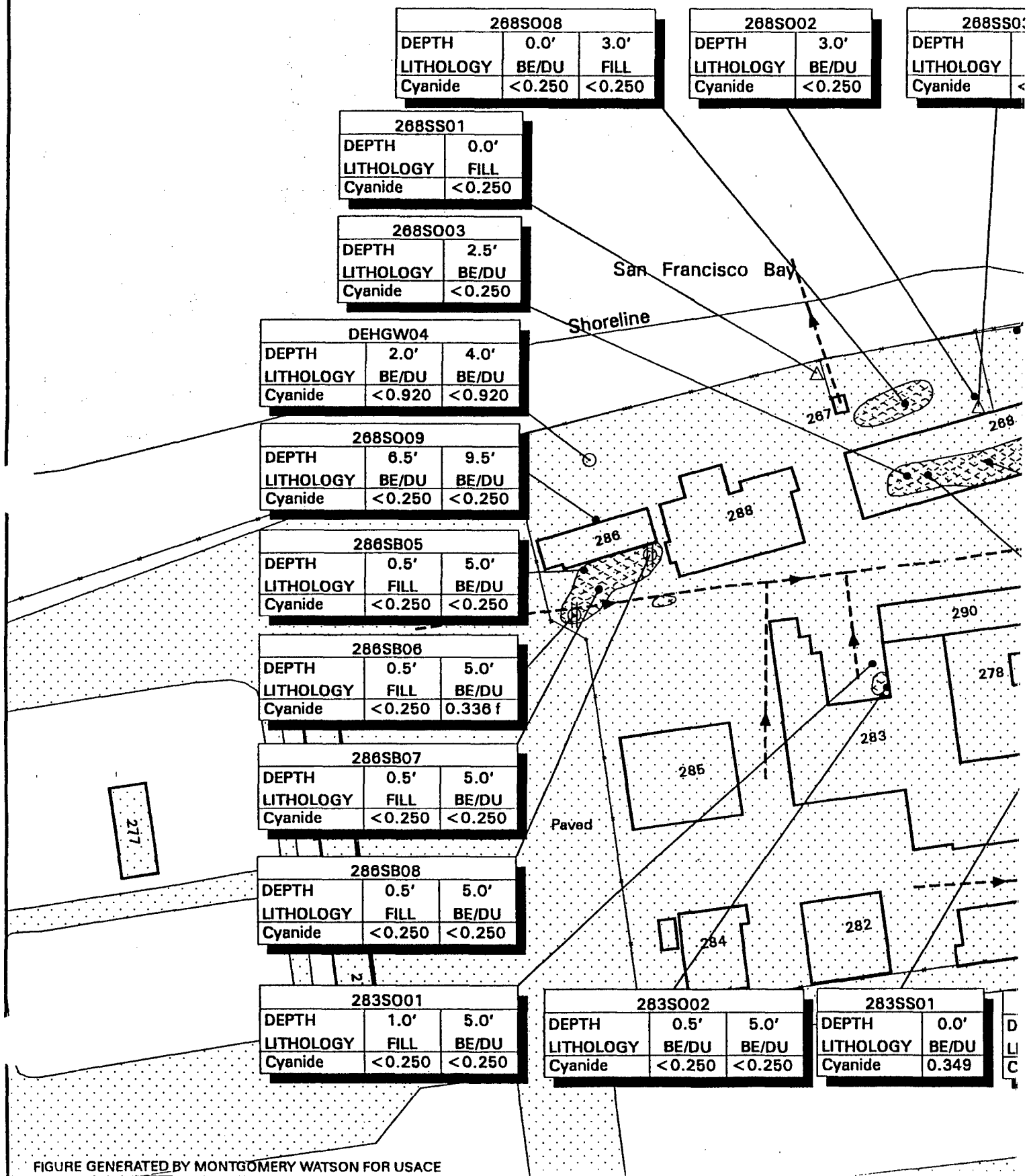


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

- MONITORING WELL WITH SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCHARGED GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDING
- [Pattern: X's] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS REPORT ARE IN MICROGRAMS PER LITER (UG/L).
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.

268SS03			268SO01		
DEPTH	0.0'		DEPTH	0.0'	
LITHOLOGY	BE/DU		LITHOLOGY	BE/DU	
Cyanide	<0.250		Cyanide	<0.250	

268SS02		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Cyanide	<0.250	

268SO08		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cyanide	<0.250	

268SO05		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cyanide	<0.250	

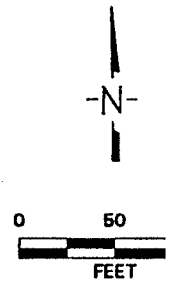
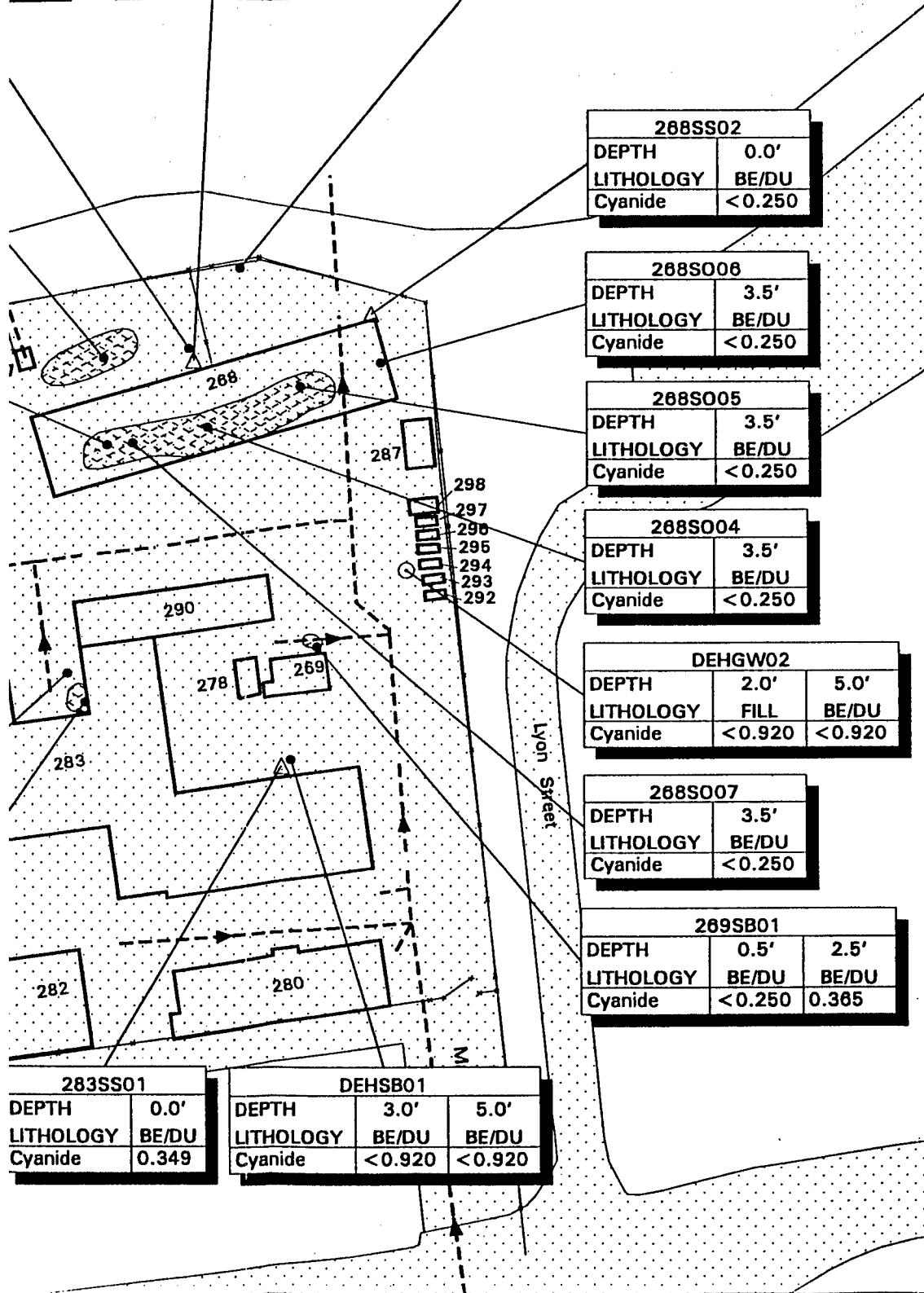
268SO04		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cyanide	<0.250	

DEHW02			
DEPTH	2.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Cyanide	<0.920	<0.920	

268SO07		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Cyanide	<0.250	

269SB01			
DEPTH	0.5'	2.5'	
LITHOLOGY	BE/DU	BE/DU	
Cyanide	<0.250	0.365	

263SS01			DEHSB01		
DEPTH	0.0'		DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU		LITHOLOGY	BE/DU	BE/DU
Cyanide	0.349		Cyanide	<0.920	<0.920



DIRECTORATE OF ENVIRONMENTAL AND HOUSING STUDIES
CONCENTRATIONS OF CYANIDE

PSF26307

Date: January 1997

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Stippled] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

0'
DU
250

5'
DU
250

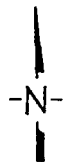
5'
DU
250

5'
DU
250

02	
0'	5.0'
LL	BE/DU
920	<0.920

5'
DU
250

01	
5'	2.5'
DU	BE/DU
250	0.385



0 50 100
FEET



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
 AND HOUSING STUDY AREA
 CONCENTRATIONS OF CYANIDE IN SOIL**

PSF26307

Date: January 1997

Figure 7.5-9

268SO08	
DEPTH	3.0'
LITHOLOGY	FILL
Iron	30806.814

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Iron	18475.273

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Iron	18900.000

268SC	
DEPTH	
LITHOLOGY	
Iron	

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	21400.000

268SO07	
DEPTH	3.5'
LITHOLOGY	BE/DU
Iron	18336.545

268SO03	
DEPTH	2.5'
LITHOLOGY	BE/DU
Iron	19565.029

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Iron	42000.000 a	43000.000 a

268SO09		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Iron	51303.488	58454.816

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	20600	9490

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	19200	4060

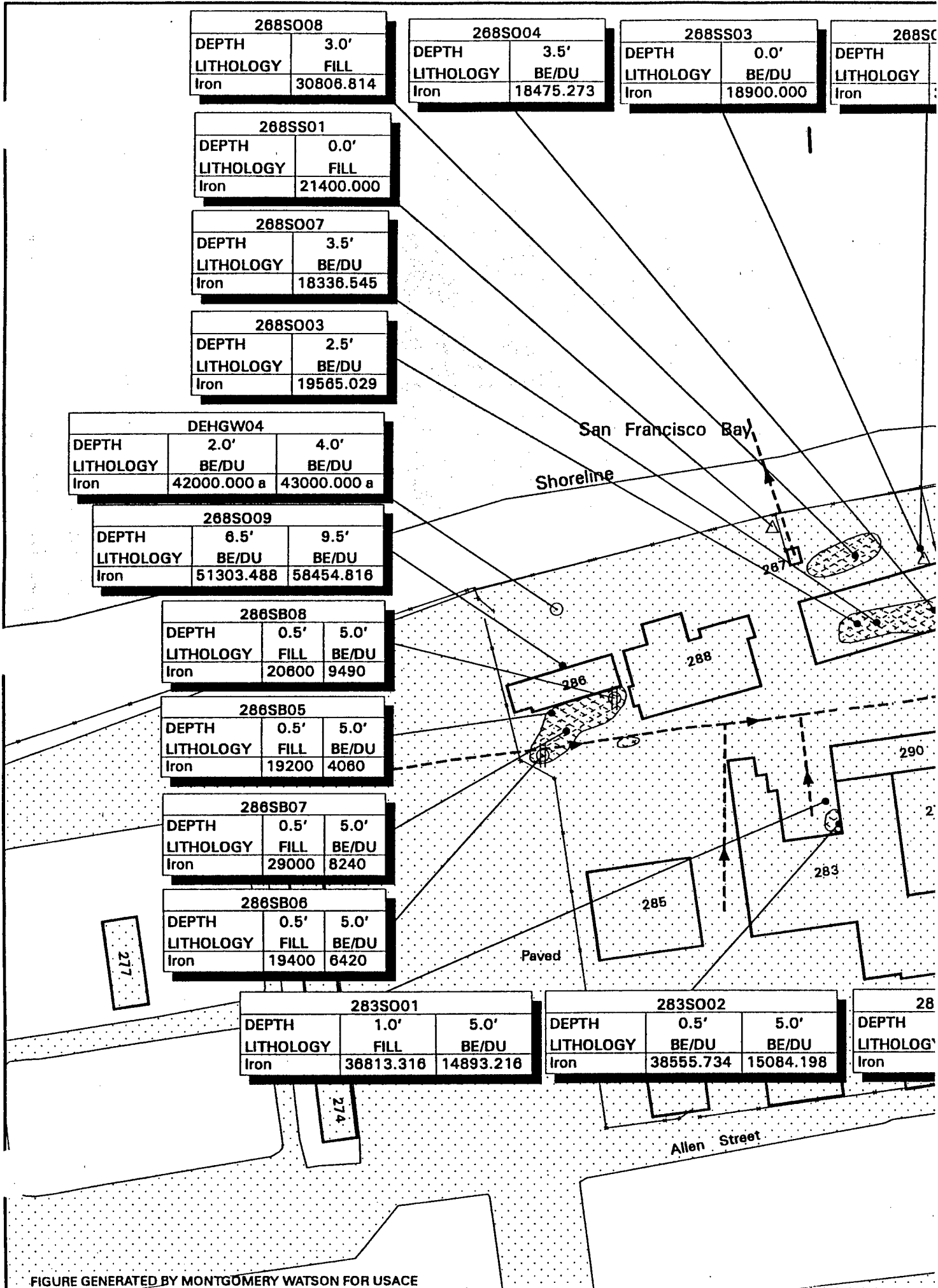
268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	29000	8240

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	19400	6420

283SO01		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	36813.316	14893.216

283SO02		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Iron	38555.734	15084.198

28	
DEPTH	
LITHOLOGY	
Iron	



268S002	
DEPTH	3.0'
LITHOLOGY	BE/DU
Iron	32180.482

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Iron	10500

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Iron	10200

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Iron	8820

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Iron	10400

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Iron	10400

268S001	
DEPTH	0.0'
LITHOLOGY	BE/DU
Iron	18528.430

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Iron	20000.000

268S006	
DEPTH	3.5'
LITHOLOGY	BE/DU
Iron	18101.660

268S005	
DEPTH	3.5'
LITHOLOGY	BE/DU
Iron	21141.221

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	28000.000 a	17000.000 a

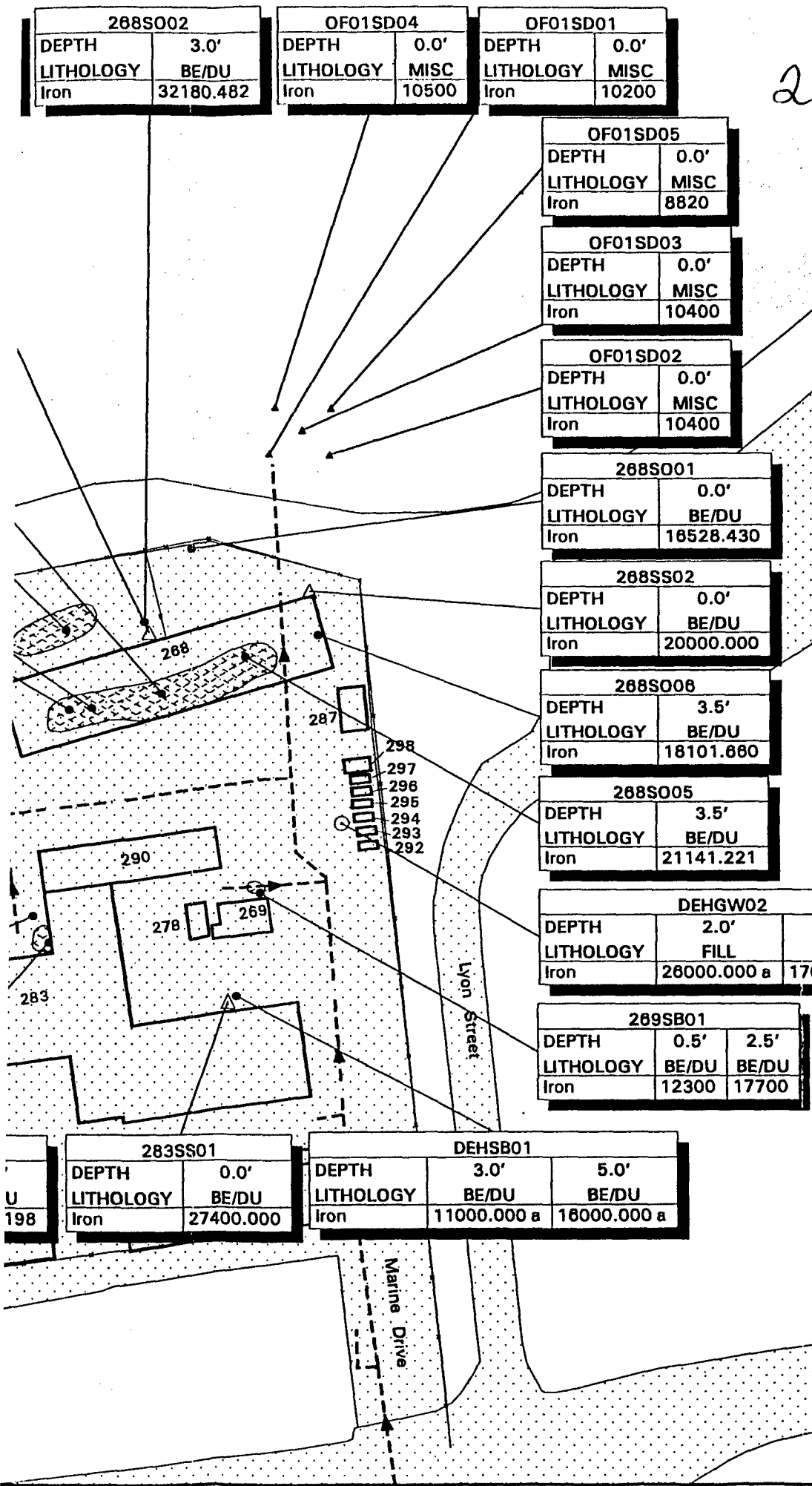
269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Iron	12300	17700

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Iron	27400.000

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Iron	11000.000 a	16000.000 a

EXPLANATION	
▲	ESAP SEDIMENT SAMPLE
○	MONITORING WELL WITH S SAMPLES
•	SOIL BORING
⊕	SOIL BORING WITH DISCRE GROUNDWATER SAMPLE
△	SURFACE SOIL SAMPLE
---	STORM DRAIN WITH FLOW
[Pattern]	SURFACES COVERED BY PAVEMENT OR BUILDINGS
[Pattern]	STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPO
2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF SECTION.



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DIRECTORATE OF ENG
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CONCENTRATIONS OF IF

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Date: January 1997

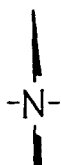
Fig

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊗ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: X's] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

0.0'	BE/DU	18.430
1.0'	BE/DU	10.000
1.5'	BE/DU	11.880
1.5'	BE/DU	11.221
HGW02		
2.0'	5.0'	
FILL	BE/DU	
10.000 a	17000.000 a	
1	2.5'	
DU	BE/DU	
10	17700	



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 AND HOUSING STUDY AREA
 CONCENTRATIONS OF IRON IN SOIL**

PSF26308

Date: January 1997

Figure 7.5-10

267SB01		
DEPTH	0.5'	3.0'
LITHOLOGY	FILL	FILL
Lead-XRF	< 25	< 25

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	112.673

268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Lead	205.954

268SC	
DEPTH	
LITHOLOGY	
Lead	

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	60.100

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Lead	177.869

266SB09	
DEPTH	5.0'
LITHOLOGY	FILL
Lead-XRF	45.2

266SB04	
DEPTH	5.0'
LITHOLOGY	FILL
Lead	550
Lead-XRF	1100

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Lead	88.000 a	170.000 a

266SB01	
DEPTH	3.0'
LITHOLOGY	FILL
Lead-XRF	1100

266SB03	
DEPTH	5.0'
LITHOLOGY	FILL
Lead-XRF	< 25

266SB02	
DEPTH	5.0'
LITHOLOGY	FILL

San Francisco
Shoreline

2

3SO02	
DEPTH	3.0'
GY	BE/DU
Lead	44.632

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Lead	167.000

268SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Lead	135.296

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.2

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.01

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	7.26

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	4.7

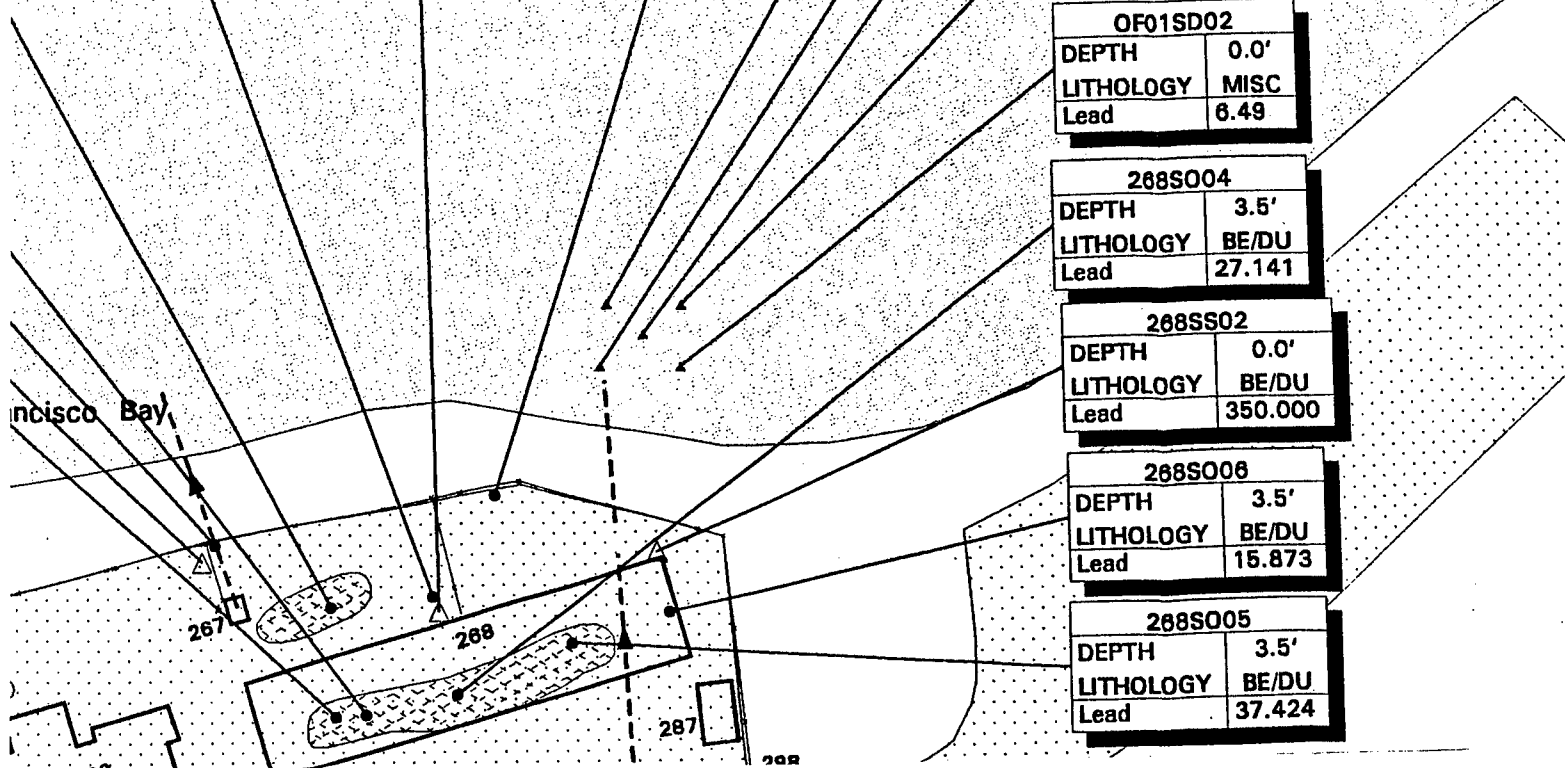
OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.49

268SO04	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	27.141

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Lead	350.000

268SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	15.873

268SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	37.424



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.2

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.01

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	7.26

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	4.7

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.49

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	27.141

268S002	
DEPTH	0.0'
LITHOLOGY	BE/DU
Lead	350.000

268S006	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	15.873

268S005	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	27.424

20 Sep 96 09:19:46 Friday, time: 11x17_v3.amd, plotfile name: DBH1_S_12.gm, PSF

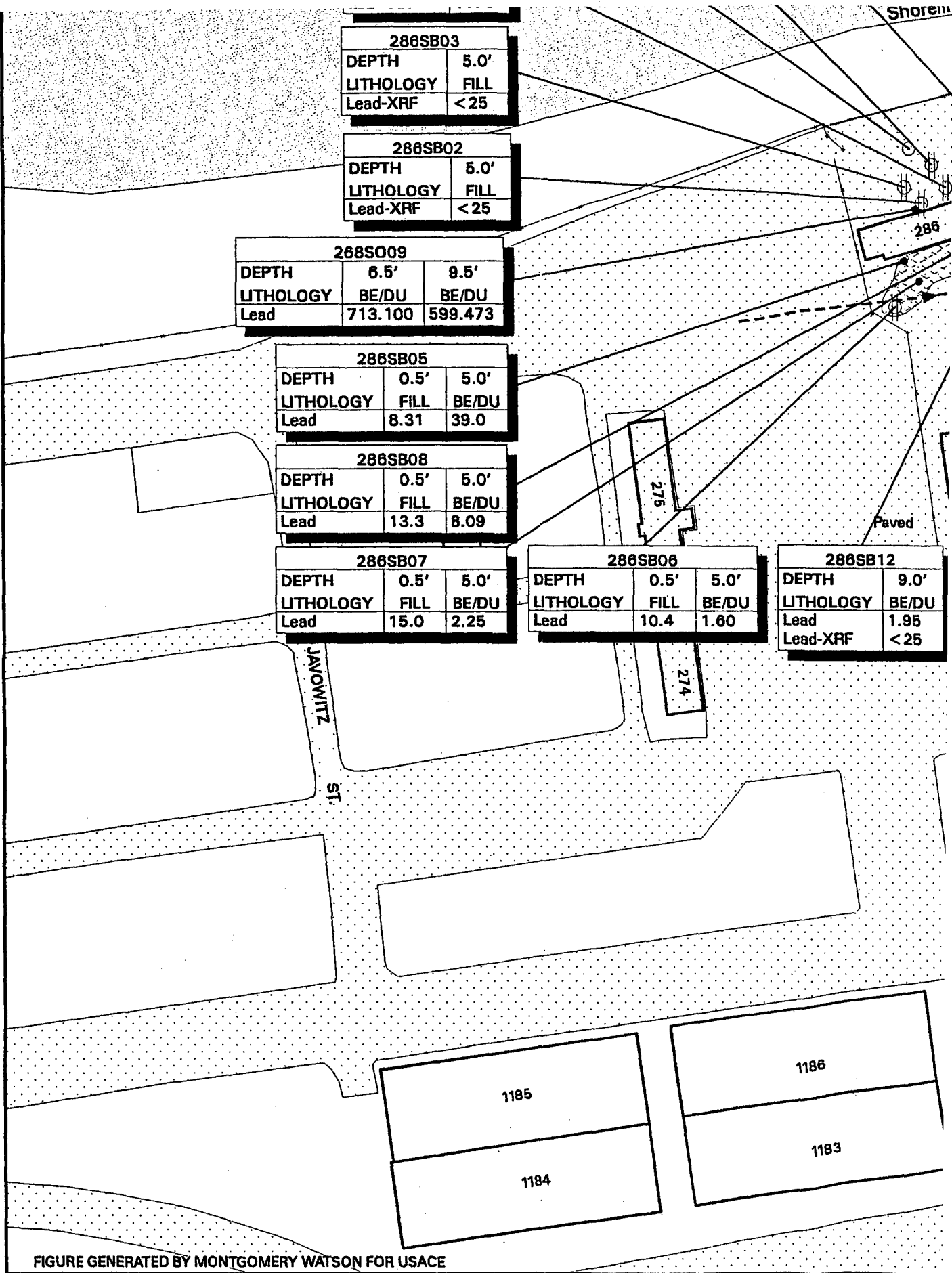
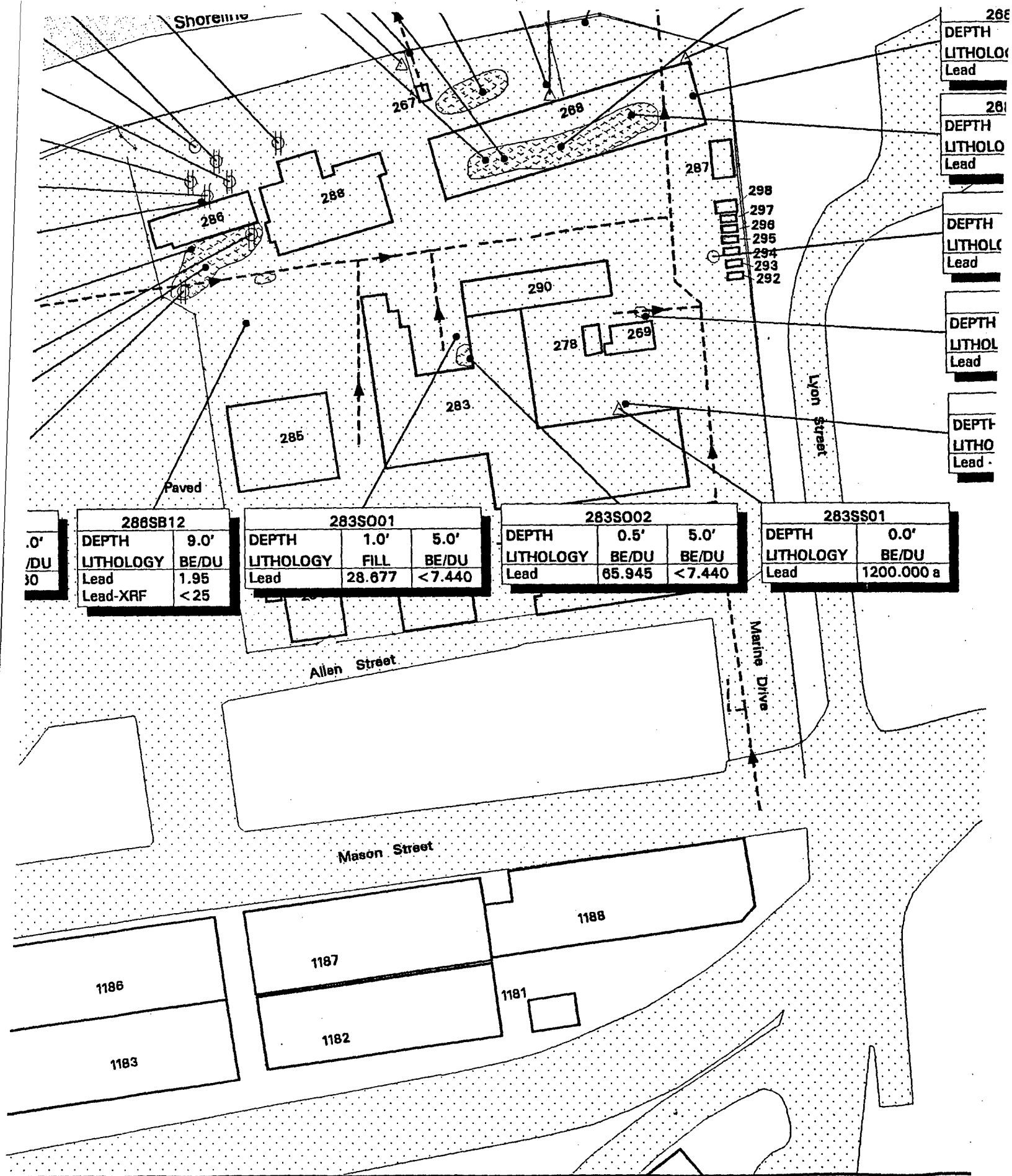


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



286	DEPTH	LITHOLOGY	Lead
281	DEPTH	LITHOLOGY	Lead
	DEPTH	LITHOLOGY	Lead
	DEPTH	LITHOLOGY	Lead
	DEPTH	LITHOLOGY	Lead
	DEPTH	LITHOLOGY	Lead

DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	15.873

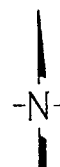
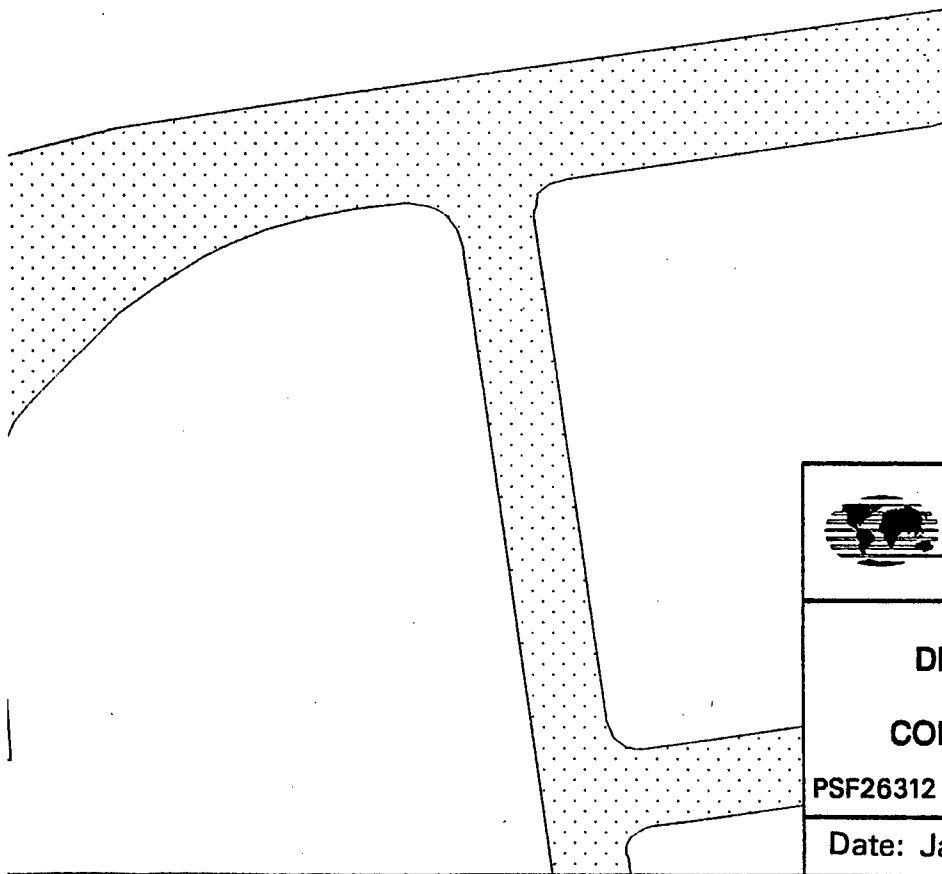
268SQ05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Lead	37.424

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Lead	18.000 a	23.000 a

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Lead	17.8	17.3

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Lead	6.330	7.010

3'
DU
100 a



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**DIRECTORATE OF ENGINEERING
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CONCENTRATIONS OF LEAD IN SOIL**

PSF26312

Date: January 1997

Figure 7.5-11

268SO08		
DEPTH	3.0'	
LITHOLOGY	FILL	
Manganese	458.813	

268SO04		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Manganese	211.114	

268SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Manganese	208.000	

268SO02		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Manganese	432.208	

268SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Manganese	216.000	

268SO07		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Manganese	232.808	

268SO03		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Manganese	227.817	

DEHW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Manganese	669.000	641.000	

268SO09			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Manganese	430.735	395.461	

286SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Manganese	4850	132	

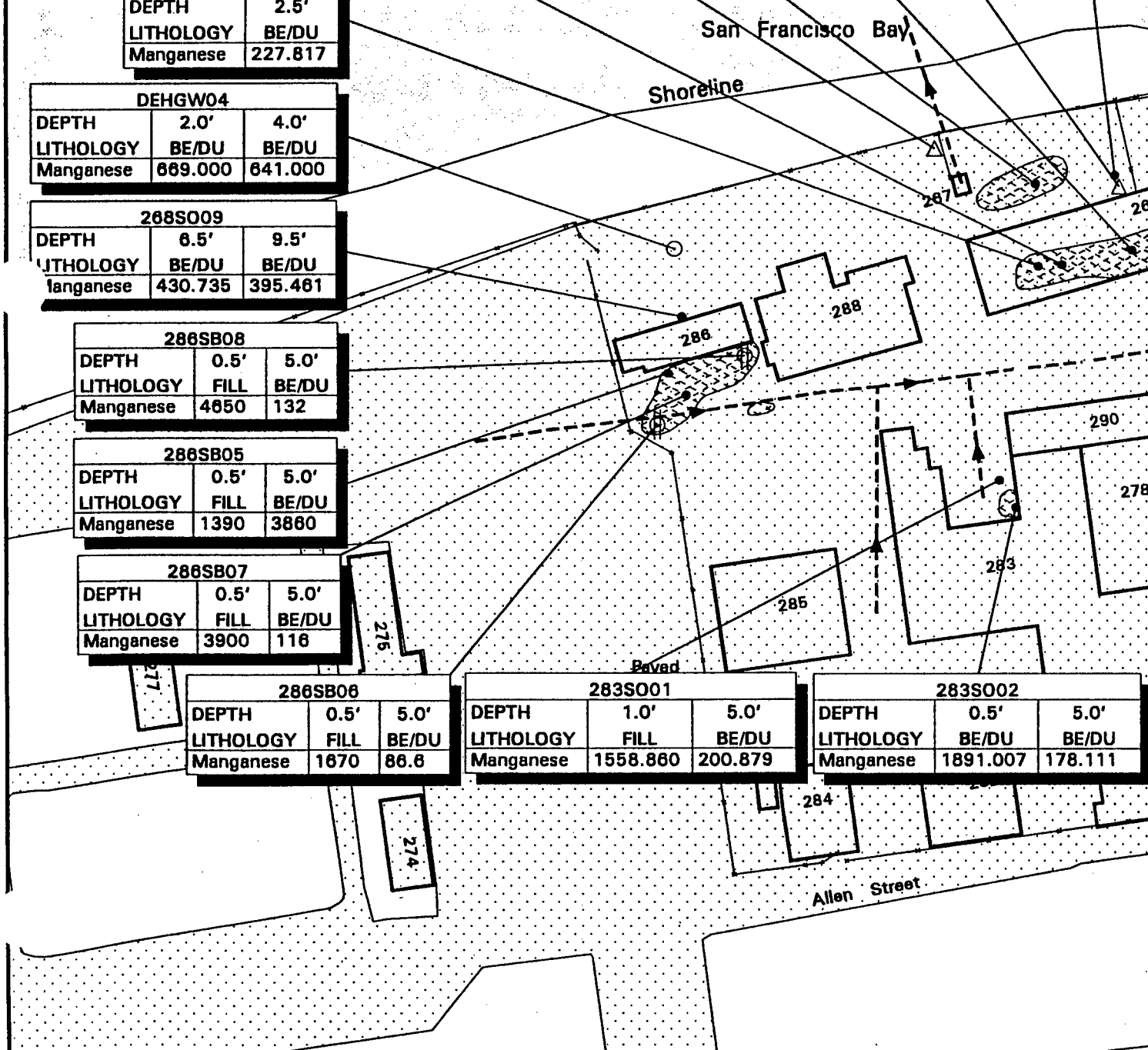
286SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Manganese	1390	3860	

286SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Manganese	3900	116	

286SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Manganese	1670	86.6	

283SO01			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Manganese	1558.860	200.879	

283SO02			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Manganese	1891.007	178.111	



268SO02	
DEPTH	3.0'
LITHOLOGY	BE/DU
Manganese	432.208

OF01SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	148 n

OF01SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	149

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	137 n

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	143

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	186

268SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Manganese	220.941

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Manganese	332.000

268SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Manganese	200.545

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Manganese	456.000	214.000

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Manganese	205	174

268SO02	
0.5'	5.0'
BE/DU	BE/DU
1891.007	178.111

268SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Manganese	362.000

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Manganese	139.000 f	99.600

EXPLANATION

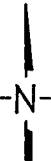
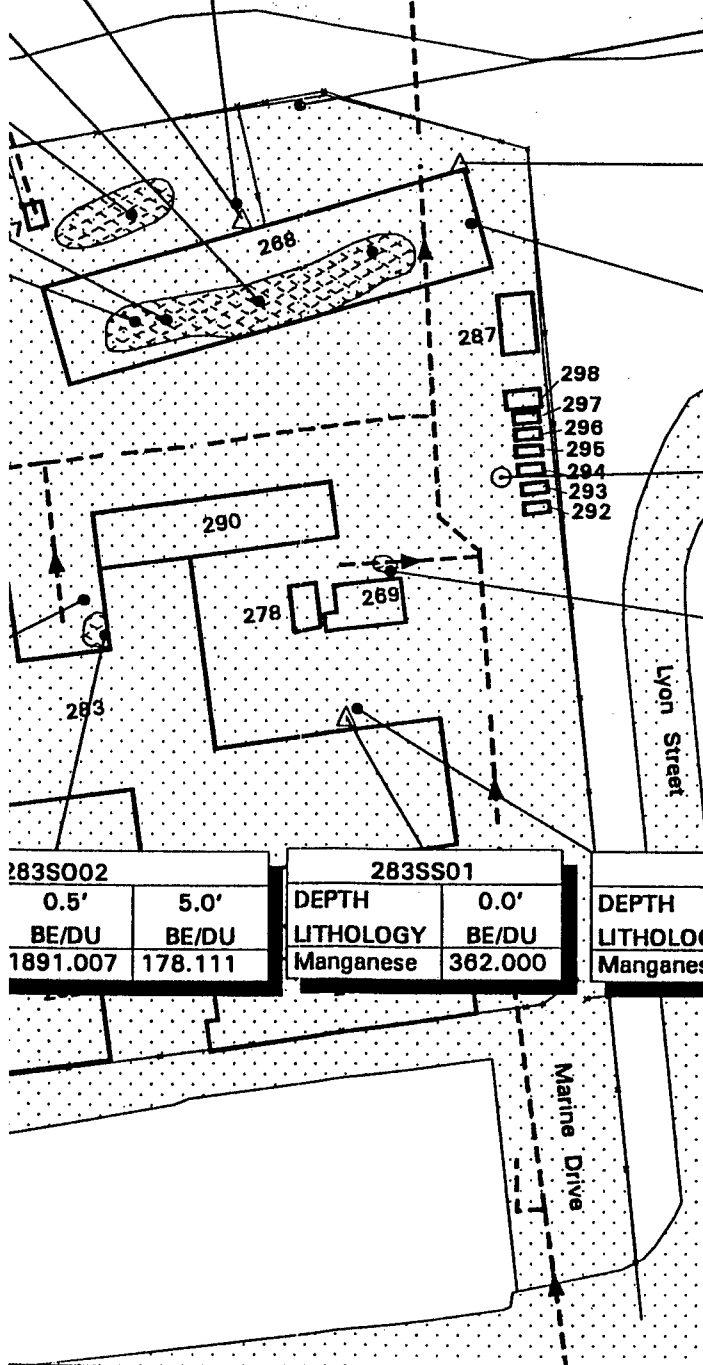
- ▲ ESAP SEDIMENT SAM
- MONITORING WELL V
- SAMPLES
- SOIL BORING
- Φ SOIL BORING WITH DI
- △ GROUNDWATER SAM
- △ SURFACE SOIL SAMPL
- STORM DRAIN WITH I
- [Pattern] SURFACES COVERED
- [Pattern] PAVEMENT OR BUILDI
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS I

2. DATA FOOTNOTE AND LI

ARE INCLUDED AT THE EN

SECTION.



DIRECTORATE OF EN
AND HOUSING ST
CONCENTRATIONS OF MAN

PSF26310

Date: January 1997

F01SD05	
I	0.0'
LOGY	MISC
inese	137 n

003	
0.0'	
MISC	
143	

002	
0.0'	
MISC	
166	

001	
0.0'	
BE/DU	
220.941	

S02	
0.0'	
BE/DU	
332.000	

S006	
3.5'	
BE/DU	
200.545	

DEHGW02		
2.0'	5.0'	
FILL	BE/DU	
456.000	214.000	

69SB01		
0.5'	2.5'	
BE/DU	BE/DU	
205	174	

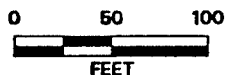
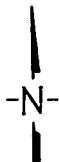
5.0'	
BE/DU	
0.600	

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- 3
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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DIRECTORATE OF ENGINEERING
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CONCENTRATIONS OF MANGANESE IN SOIL

PSF26310

Date: January 1997

Figure 7.5-12

268SO08		
DEPTH	3.0'	
LITHOLOGY	FILL	
Mercury	0.067	

268SO04		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Mercury	<0.050	

268SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Mercury	<0.050	

268SO02		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Mercury	0.107	

268SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Mercury	<0.050	

268SO07		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Mercury	0.057	

268SO03		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Mercury	<0.050	

DEHGW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Mercury	0.072	0.186	

268SO09			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Mercury	0.414	0.186	

268SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Mercury	<0.0590	<0.0590	

268SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Mercury	<0.0590	<0.0590	

268SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Mercury	<0.0590	<0.0590	

268SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Mercury	<0.0590	<0.0590	

283SO01			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Mercury	<0.050	<0.050	

283SO02			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Mercury	0.093	<0.050	

San Francisco Bay
Shoreline

Paved

Allen Street

268SO02		OF01SD04		OF01SD01		OF01SD03	
DEPTH	3.0'	DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
LITHOLOGY	BE/DU	LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
Mercury	0.107	Mercury	<0.1	Mercury	<0.1	Mercury	<0.1

OF01SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

268SO01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Mercury	0.072

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Mercury	0.093

268SO06	
DEPTH	3.5'
LITHOLOGY	BE/DU
Mercury	<0.050

268SO05	
DEPTH	3.5'
LITHOLOGY	BE/DU
Mercury	<0.050

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Mercury	<0.027	<0.027

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Mercury	<0.0590	<0.0590

268SO02		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Mercury	0.093	<0.050

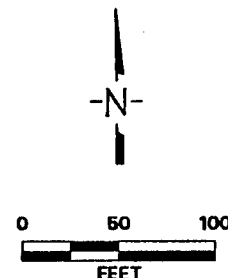
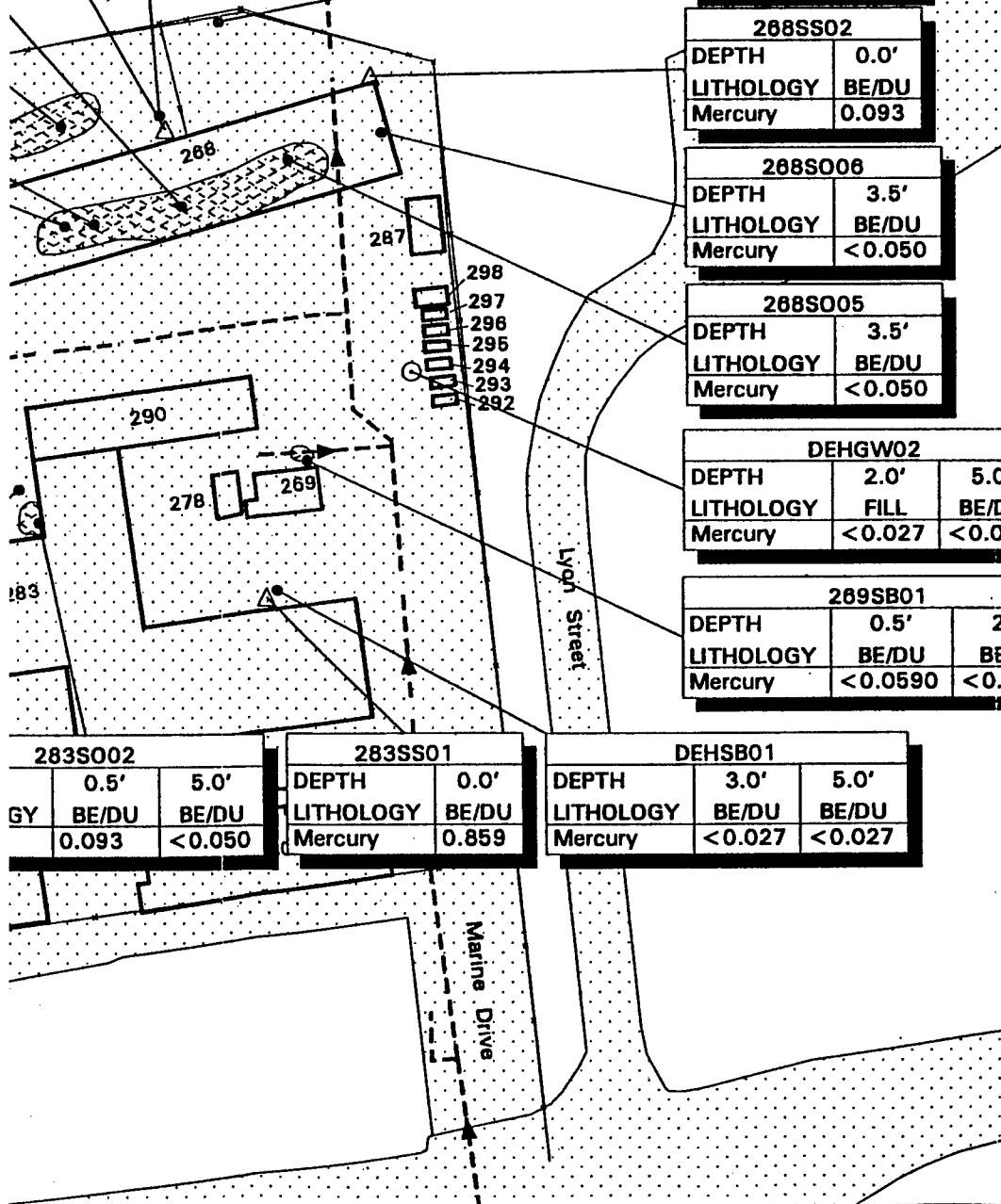
268SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Mercury	0.859

DEHSB01		
DEPTH	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Mercury	<0.027	<0.027

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER GRAM.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THE SECTION.



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DIRECTORATE OF ENGINEERING AND HOUSING STUDY

CONCENTRATIONS OF MERCURY

PSF26309

Date: January 1997

Figure

3

OF01SD03	
PTH	0.0'
HOLOGY	MISC
rcury	<0.1

D05	
0.0'	
MISC	
<0.1	

D02	
0.0'	
MISC	
<0.1	

D01	
0.0'	
BE/DU	
0.072	

S02	
0.0'	
BE/DU	
0.093	

S008	
3.5'	
BE/DU	
<0.050	

S005	
3.5'	
BE/DU	
<0.050	

DEHGW02	
2.0'	5.0'
FILL	BE/DU
<0.027	<0.027

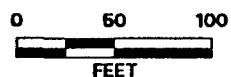
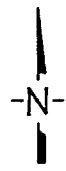
289SB01	
0.5'	2.5'
BE/DU	BE/DU
<0.0590	<0.0590

5.0'	
BE/DU	
<0.027	

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊗ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy Lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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 AND HOUSING STUDY AREA
 CONCENTRATIONS OF MERCURY IN SOIL**

PSF26309

Date: January 1997

Figure 7.5-13

268S008	
DEPTH	3.0'
LITHOLOGY	FILL
Nickel	60.214

268S004	
DEPTH	3.5'
LITHOLOGY	BE/DU
Nickel	62.839

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Nickel	30.900

268S002	
DEPTH	0.0'
LITHOLOGY	BE/DU
Nickel	5

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	28.200

268S007	
DEPTH	3.5'
LITHOLOGY	BE/DU
Nickel	58.577

268S003	
DEPTH	2.5'
LITHOLOGY	BE/DU
Nickel	93.251

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Nickel	1520.000	884.000

268S009		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Nickel	57.941	91.828

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Nickel	17.4	47.8

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Nickel	13.4	50.3

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Nickel	50.7	36.5

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Nickel	17.2	21.1

268S001		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Nickel	49.622	31.085

268S002	
DEPTH	0.5'
LITHOLOGY	BE/DU
Nickel	49.804

18 Sep 95 11:46:17 Wednesday, 11x17, v3.amt, profile base, DEH_S_16.gra, PDF

EXPI

ESAP SEDIMENT

MONITORING
SAMPLES

SOIL BORING

SOIL BORING
GROUNDWATER

SURFACE SOIL

STORM DRAIN

SURFACES CC
PAVEMENT OR

STAINED AREA

NOTES: 1. ALL CONCENTR.

2. DATA FOOTNOTES
ARE INCLUDED AT
SECTION.

268S002		
DEPTH	3.0'	
LITHOLOGY	BE/DU	
Nickel	50.629	

OF01SD04		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	30 n	

OF01SD01		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	48	

OF01SD05		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	27.4 n	

OF01SD03		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	31.1	

OF01SD02		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	37.5	

268S001		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Nickel	32.000	

268SS02		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Nickel	32.200	

268S008		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Nickel	69.677	

268S005		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Nickel	51.565	

DEHGW02			
DEPTH	2.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Nickel	45.900	77.800	

269SB01			
DEPTH	0.5'	2.5'	
LITHOLOGY	BE/DU	BE/DU	
Nickel	52.6	80.8	

283S002			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Nickel	49.804	34.392	

283SS01		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Nickel	49.200	

DEHSB01			
DEPTH	3.0'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Nickel	49.800	40.200	

DIRECTOR
AND HOU
CONCENTRATI

PSF26311

Date: January 199

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy Lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

D05
0.0'
MISC
27.4 n

0.0'
MISC
1.1

0.0'
MISC
7.5

0.0'
BE/DU
12.000

0.0'
BE/DU
12.200

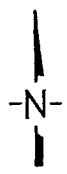
3.5'
BE/DU
39.677

3.5'
BE/DU
51.565

GW02	
2.0'	5.0'
FILL	BE/DU
45.900	77.800

3B01	
0.5'	2.5'
BE/DU	BE/DU
52.6	80.8

0.0'
DU
00



DIRECTORATE OF ENGINEERING
 AND HOUSING STUDY AREA
 CONCENTRATIONS OF NICKEL IN SOIL

PSF26311

Date: January 1997

Figure 7.5-14

268SO08	
DEPTH	3.0'
LITHOLOGY	FILL
Silver	<0.803

268SO04	
DEPTH	3.5'
LITHOLOGY	BE/DU
Silver	<0.803

268SS03	
DEPTH	0.0'
LITHOLOGY	BE/DU
Silver	<0.803

268SO02	
DEPTH	3.0'
LITHOLOGY	BE/DU
Silver	<0.803

268SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	6.420

268SO07	
DEPTH	3.5'
LITHOLOGY	BE/DU
Silver	<0.803

268SO03	
DEPTH	2.5'
LITHOLOGY	BE/DU
Silver	<0.803

DEHGW04		
DEPTH	2.0'	4.0'
LITHOLOGY	BE/DU	BE/DU
Silver	<0.521	0.925

268SO09		
DEPTH	6.5'	9.5'
LITHOLOGY	BE/DU	BE/DU
Silver	<0.803	<0.803

268SB05		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	<0.500	<0.500

268SB07		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	<0.500	<0.500

268SB06		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	<0.500	<0.500

268SB08		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	0.509	<0.500

283SO01		
DEPTH	1.0'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	4.897	<0.803

283SO02		
DEPTH	0.5'	5.0'
LITHOLOGY	BE/DU	BE/DU
Silver	1.349	<0.803

283SS01	
DEPTH	0.0'
LITHOLOGY	BE/DU
Silver	<0.803

San Francisco Bay
Shoreline

Paved

Allen Street

268S002		OF01SD04		OF01SD01		OF01SD05	
OGY	3.0'	DEPTH	0.0'	DEPTH	0.0'	DEPTH	0.0'
	BE/DU	LITHOLOGY	MISC	LITHOLOGY	MISC	LITHOLOGY	MISC
	<0.803	Silver	<0.4 n	Silver	<0.4	Silver	<0.4 n

OF01SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Silver	<0.4

OF01SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Silver	<0.4

268S001	
DEPTH	0.0'
LITHOLOGY	BE/DU
Silver	<0.803

268SS02	
DEPTH	0.0'
LITHOLOGY	BE/DU
Silver	1.110

268S006	
DEPTH	3.5'
LITHOLOGY	BE/DU
Silver	<0.803

268S005	
DEPTH	3.5'
LITHOLOGY	BE/DU
Silver	<0.803

DEHGW02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Silver	<0.521	<0.521

269SB01		
DEPTH	0.5'	2.5'
LITHOLOGY	BE/DU	BE/DU
Silver	<0.500	<0.500

13SS01		DEHSB01		
Y	0.0'	DEPTH	3.0'	5.0'
	BE/DU	LITHOLOGY	BE/DU	BE/DU
	<0.803	Silver	<0.521	<0.521

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISC
- △ GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE

---> STORM DRAIN WITH FLO



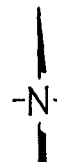
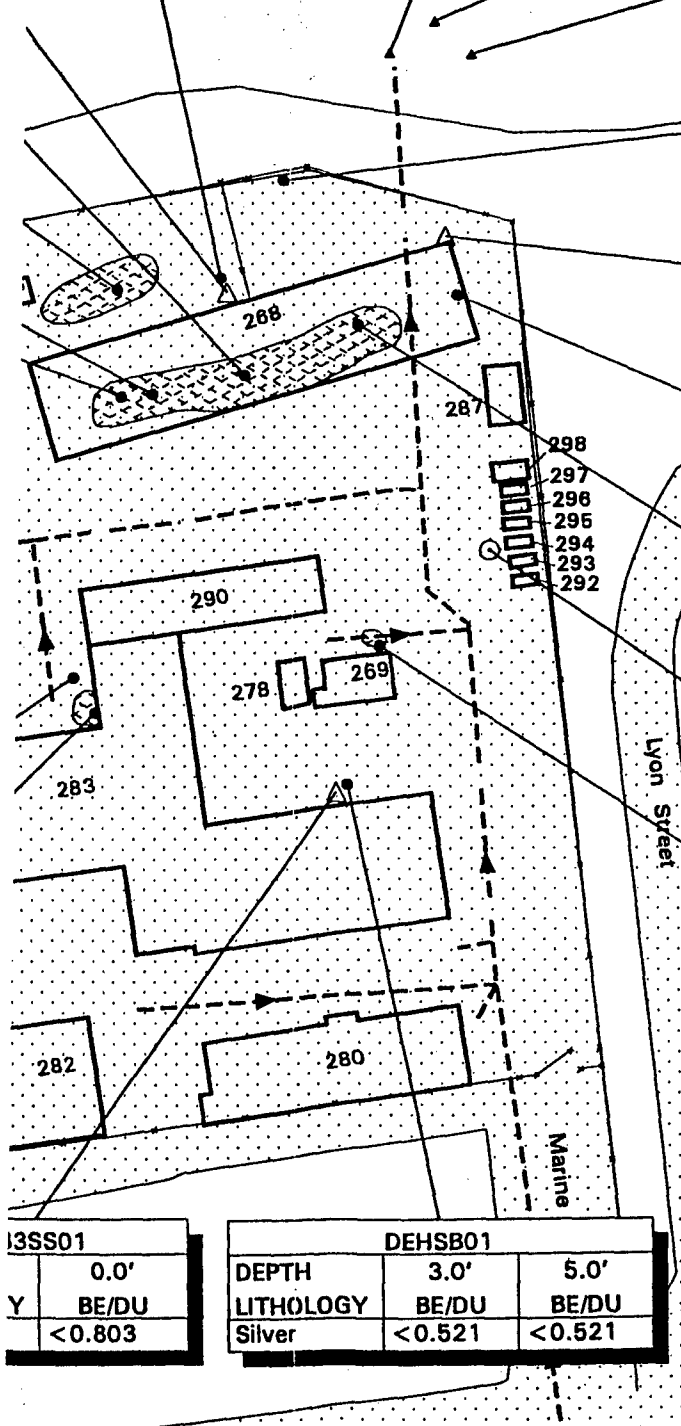
SURFACES COVERED BY PAVEMENT OR BUILDING



STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REF

2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END OF SECTION.



DAMES & MOORE

DIRECTORATE OF ENVIRONMENTAL AND HOUSING STUDIES
CONCENTRATIONS OF

PSF26296

Date: January 1997

3

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

0'
SC
.4 n

0'
DU
03

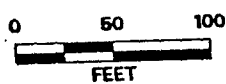
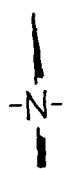
0'
DU
1

5'
/DU
803

3.5'
E/DU
803

4GW02	
2.0'	5.0'
FILL	BE/DU
.521	<0.521

01	
5'	2.5'
DU	BE/DU
.500	<0.500



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 AND HOUSING STUDY AREA
 CONCENTRATIONS OF SILVER IN SOIL

PSF26296

Date: January 1997

Figure 7.5-15

288S008		
DEPTH	3.0'	
LITHOLOGY	FILL	
Zinc	239.584	

288S004		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Zinc	37.006	

288SS03		
DEPTH	0.0'	
LITHOLOGY	BE/DU	
Zinc	372.000	

288		
DEPTH		
LITHOLOGY		
Zinc		

288SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Zinc	104.000	

288S007		
DEPTH	3.5'	
LITHOLOGY	BE/DU	
Zinc	129.092	

288S003		
DEPTH	2.5'	
LITHOLOGY	BE/DU	
Zinc	187.311	

DEHGW04			
DEPTH	2.0'	4.0'	
LITHOLOGY	BE/DU	BE/DU	
Zinc	90.400	186.000	

288S009			
DEPTH	6.5'	9.5'	
LITHOLOGY	BE/DU	BE/DU	
Zinc	853.263	460.349	

286SB08			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Zinc	51.2	28.4	

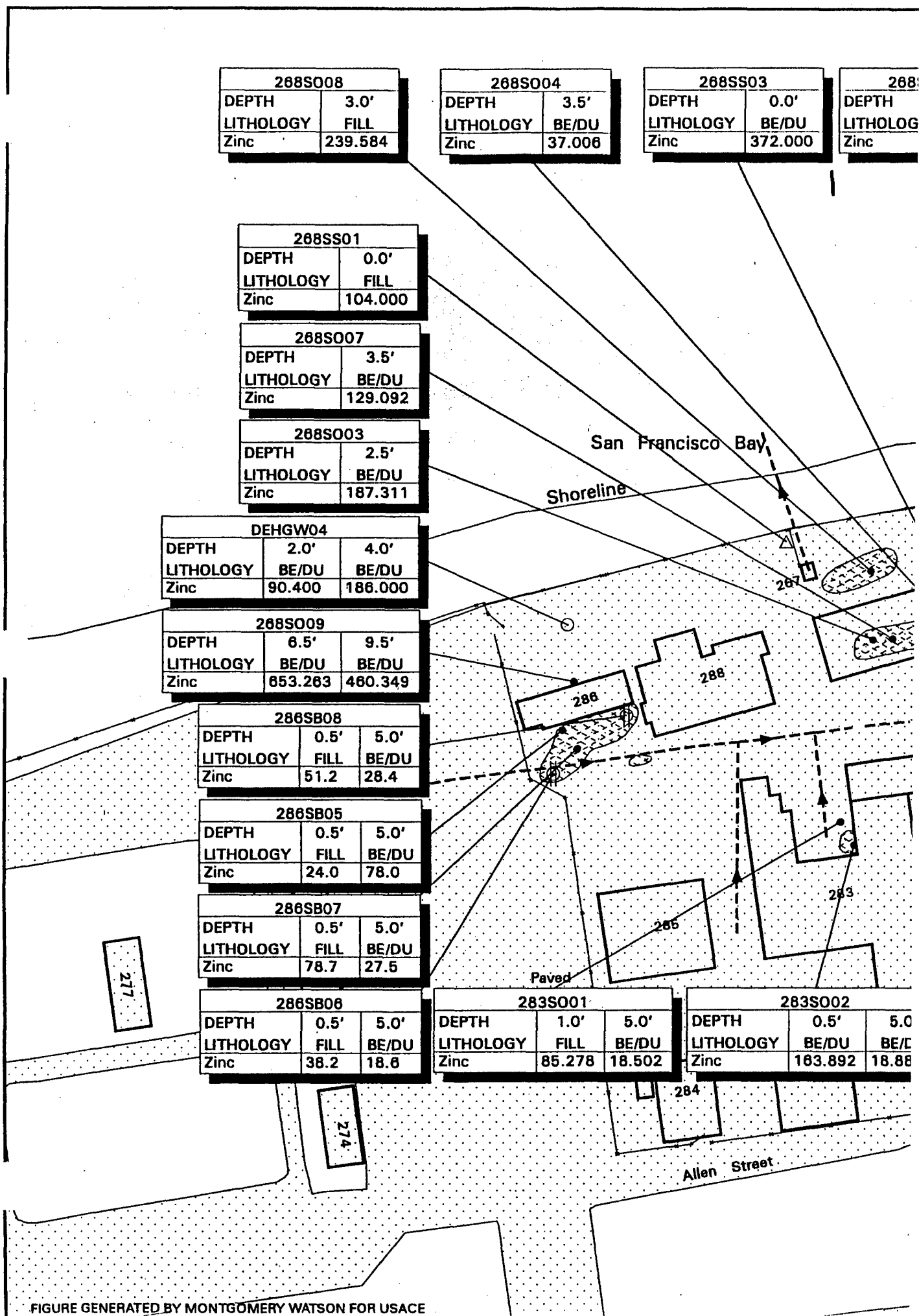
286SB05			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Zinc	24.0	78.0	

286SB07			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Zinc	78.7	27.5	

286SB06			
DEPTH	0.5'	5.0'	
LITHOLOGY	FILL	BE/DU	
Zinc	38.2	18.6	

283S001			
DEPTH	1.0'	5.0'	
LITHOLOGY	FILL	BE/DU	
Zinc	85.278	18.502	

283S002			
DEPTH	0.5'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Zinc	163.892	18.88	



18 Sep 96 18:50:35 Wednesday

18 Sep 96 18:50:35 Wednesday

18SS03

GY	DEPTH	BE/DU
	0.0'	372.000

268SO02

DEPTH	BE/DU
3.0'	92.648
LITHOLOGY	Zinc

OF01SD04

DEPTH	BE/DU
0.0'	24.3 n
LITHOLOGY	MISC

OF01SD01

DEPTH	BE/DU
0.0'	22.6
LITHOLOGY	MISC

OF01SD05

DEPTH	BE/DU
0.0'	19.6 n
LITHOLOGY	MISC

OF01SD03

DEPTH	BE/DU
0.0'	24.1
LITHOLOGY	MISC

OF01SD02

DEPTH	BE/DU
0.0'	23.6
LITHOLOGY	MISC

268SO01

DEPTH	BE/DU
0.0'	396.834
LITHOLOGY	Zinc

268SS02

DEPTH	BE/DU
0.0'	594.000
LITHOLOGY	Zinc

268SO06

DEPTH	BE/DU
3.5'	26.782
LITHOLOGY	Zinc

268SO05

DEPTH	BE/DU
3.5'	36.789
LITHOLOGY	Zinc

DEHGW02

DEPTH	BE/DU	BE/DU
2.0'	52.200	42.000
LITHOLOGY	FILL	BE/DU

269SB01

DEPTH	BE/DU	BE/DU
0.5'	33.4	32.2
LITHOLOGY	BE/DU	BE/DU

283SO02

DEPTH	BE/DU	BE/DU
0.5'	163.892	18.881
LITHOLOGY	BE/DU	BE/DU

283SS01

DEPTH	BE/DU
0.0'	1500.000 a
LITHOLOGY	Zinc

DEHSB01

DEPTH	BE/DU	BE/DU
3.0'	22.800 f	24.500 f
LITHOLOGY	BE/DU	BE/DU

- ▲ ESAP SEDIMENT
 ○ MONITORING
 ● SAMPLES
 • SOIL BORING
 ○ SOIL BORING
 △ GROUNDWATER
 △ SURFACE FLOW

STORM DRAIN



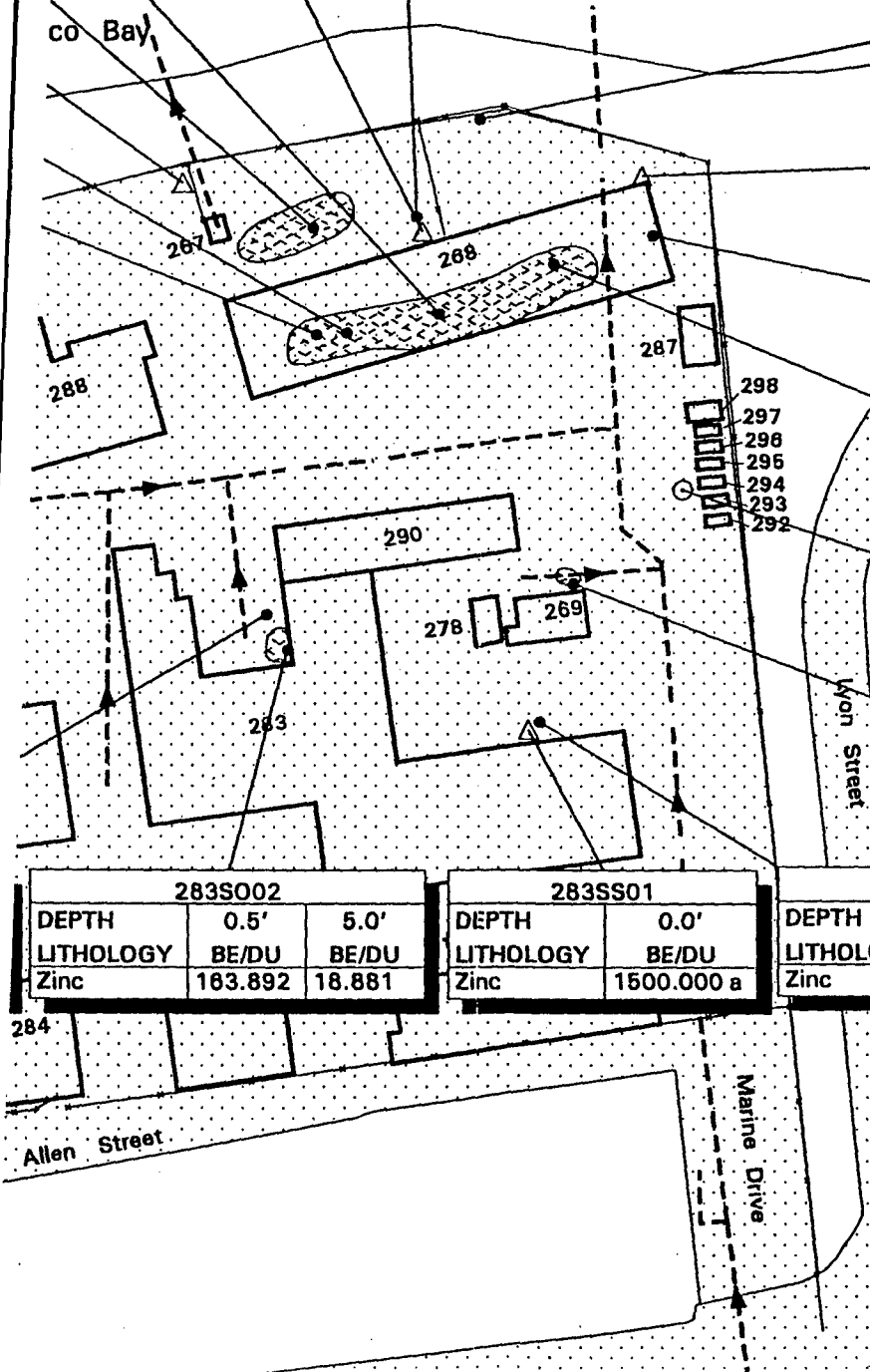
SURFACE PAVEMENT



STAINED /

NOTES: 1. ALL CONCENTRATIONS

2. DATA FOOTNOTES ARE INCLUDED IN SECTION.



DIRECTOR
AND HEAD
CONCENTRATION

PSF26315

Date: January

OF01SD05		
PTH	0.0'	
HOMOLOGY	MISC	
c	19.8 n	

1SD03		
	0.0'	
GY	MISC	
	24.1	

1SD02		
	0.0'	
GY	MISC	
	23.6	

88SO01		
	0.0'	
GY	BE/DU	
	396.834	

88SS02		
	0.0'	
GY	BE/DU	
	594.000	

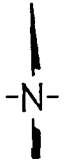
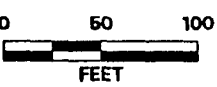
88SO06		
	3.5'	
GY	BE/DU	
	26.762	

88SO05		
	3.5'	
GY	BE/DU	
	36.789	

DEHGW02			
	2.0'	5.0'	
GY	FILL	BE/DU	
	52.200	42.000	

269SB01			
	0.5'	2.5'	
LOGY	BE/DU	BE/DU	
	33.4	32.2	

5.0'	
BE/DU	
4.500 f	



DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ZINC IN SOIL

PSF26315

Date: January 1997

Figure 7.5-16

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern: Dots] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern: Wavy lines] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

268SS03	
DEPTH	0.0'
Aldrin	< 1.300

268S002	
DEPTH	3.0'
Aldrin	< 1.300

268S008	
DEPTH	3.0'
Aldrin	< 1.300

268SS01	
DEPTH	0.0'
Aldrin	< 1.300

268S004	
DEPTH	3.5'
Aldrin	< 1.300

268S007	
DEPTH	3.5'
Aldrin	< 1.300

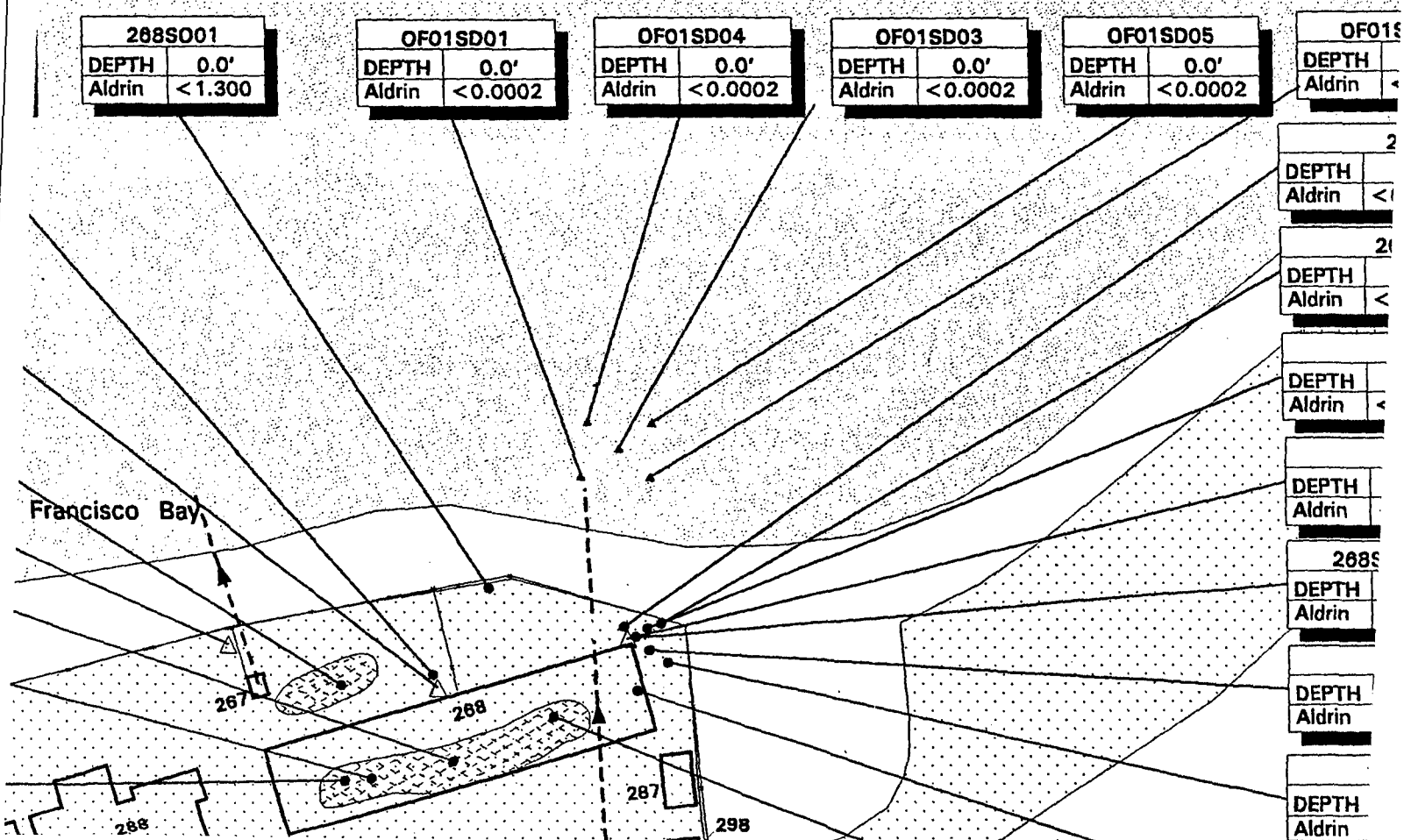
DEHGW04		
DEPTH	2.0'	4.0'
Aldrin	< 0.003	< 0.003

268S003	
DEPTH	2.5'
Aldrin	< 1.300



San Franci

Shoreline

2



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

OF01SD05	
TH	0.0'
in	<0.0002

OF01SD02	
DEPTH	0.0'
Aldrin	<0.0002

268SB04		
DEPTH	1.5'	3.0'
Aldrin	<0.0055	<0.005

268SB05		
DEPTH	1.5'	3.0'
Aldrin	<0.005	0.008

268SB02		
DEPTH	0.0'	1.5'
Aldrin	<0.0074	0.0181

268SB01		
DEPTH	0.5'	1.5'
Aldrin	<0.0072	0.0189

268SS02	
DEPTH	0.0'
Aldrin	<1.300

268SB03		
DEPTH	0.0'	1.5'
Aldrin	<0.0072	<0.0066

268SB06			
DEPTH	0.5'	1.5'	3.0'
Aldrin	0.062	<0.0055	<0.005

4

DEPTH	2.0'	4.0'
Aldrin	<0.003	<0.003

268SO03		
DEPTH	2.5'	
Aldrin	<1.300	

268SO09		
DEPTH	6.5'	9.5'
Aldrin	<1.300	<1.300

293SB02		
DEPTH	2.0'	4.0'
Aldrin	<0.0052	<0.0052

283SO01		
DEPTH	1.0'	5.0'
Aldrin	<1.300	<1.300

283SO02		
DEPTH	0.5'	5.0'
Aldrin	<1.300	<1.300

269SB01		
DEPTH	0.5'	2.5'
Aldrin	<0.0073 p	<0.0073 p

269SO03		
DEPTH	1.5'	4.5'
Aldrin	<0.001	<0.001

269SO01		
DEPTH	1.5'	4.0'
Aldrin	<0.001	<0.001

283SS01		
DEPTH	0.0'	
Aldrin	<6.500	

DEHSB01		
DEPTH	3.0'	5.0'
Aldrin	<0.003	<0.003

JAWOWITZ ST.

Paved

286

285

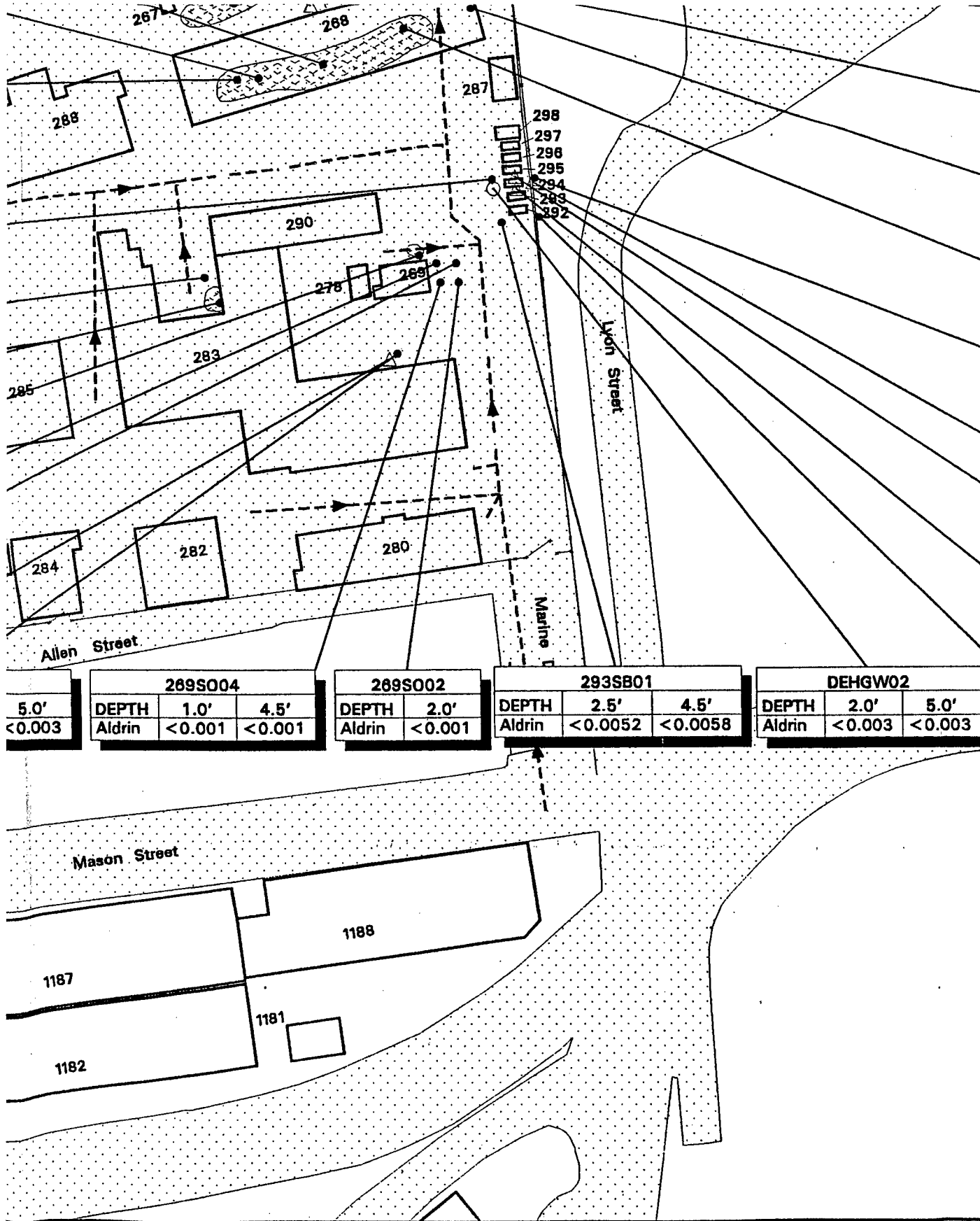
274

1185

1184

1186

1183



DEPTH	0
Aldrin	<0.0

DEPTH	0
Aldrin	0.06

268SO06	
DEPTH	3
Aldrin	<1

268SO05	
DEPTH	3
Aldrin	<1

29	
DEPTH	2
Aldrin	<0

293SS0	
DEPTH	(
Aldrin	0.0

293SS0	
DEPTH	(
Aldrin	0.2

293SS0	
DEPTH	0
Aldrin	0.0

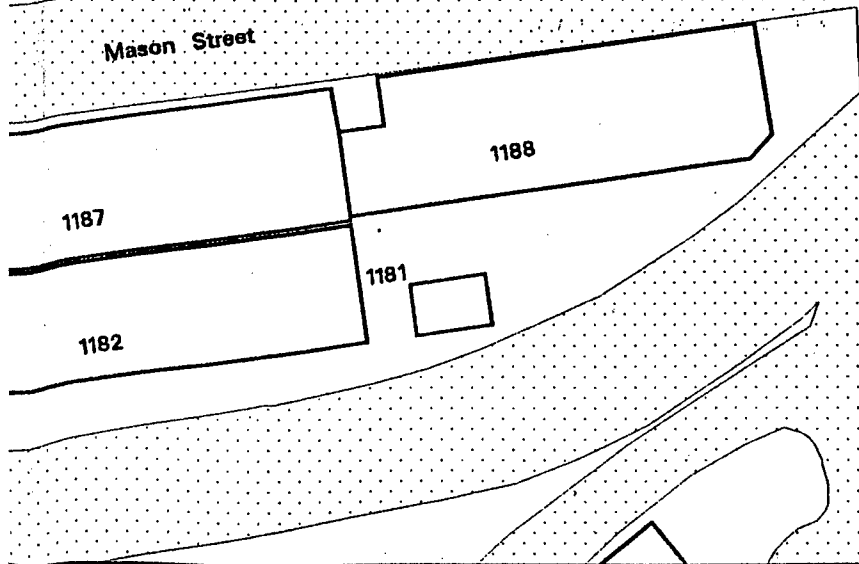
29	
DEPTH	
Aldrin	<0

5.0'	269SO04
<0.003	DEPTH 1.0' 4.5'
	Aldrin <0.001 <0.001

269SO02	
DEPTH 2.0'	
Aldrin <0.001	

293SB01	
DEPTH 2.5' 4.5'	
Aldrin <0.0052 <0.0058	

DEHGW02	
DEPTH 2.0' 5.0'	
Aldrin <0.003 <0.003	



6

DEPTH	0.0'	1.5'
Aldrin	<0.0072	<0.0066

268SB06			
DEPTH	0.5'	1.5'	3.0'
Aldrin	0.062	<0.0055	<0.005

268S006	
DEPTH	3.5'
Aldrin	<1.300

268S005	
DEPTH	3.5'
Aldrin	<1.300

293SB04		
DEPTH	2.0'	4.0'
Aldrin	<0.0062	<0.0063

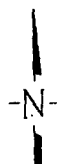
293SS02	
DEPTH	0.0'
Aldrin	0.029 a c

293SS03	
DEPTH	0.0'
Aldrin	0.280 a c

293SS01	
DEPTH	0.0'
Aldrin	0.031 c

3W02	
0'	5.0'
003	<0.003

293SB03		
DEPTH	2.0'	4.0'
Aldrin	<0.0058	<0.0057



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ALDRIN IN SOIL**

PSF26319

Date: January 1997

Figure 7.5-17

268SS01		
DEPTH	0.0'	
Chlordane	<0.680	

268S008		
DEPTH	3.0'	
Chlordane	<0.680	

268SS03		
DEPTH	0.0'	
Chlordane	<0.680	

268S002		
DEPTH	3.0'	
Chlordane	<0.680	

268S004		
DEPTH	3.5'	
Chlordane	<0.680	

268S007		
DEPTH	3.5'	
Chlordane	<0.680	

268S003		
DEPTH	2.5'	
Chlordane	<0.680	

DEHGW04			
DEPTH	2.0'	4.0'	
Chlordane	<0.030	<0.030	

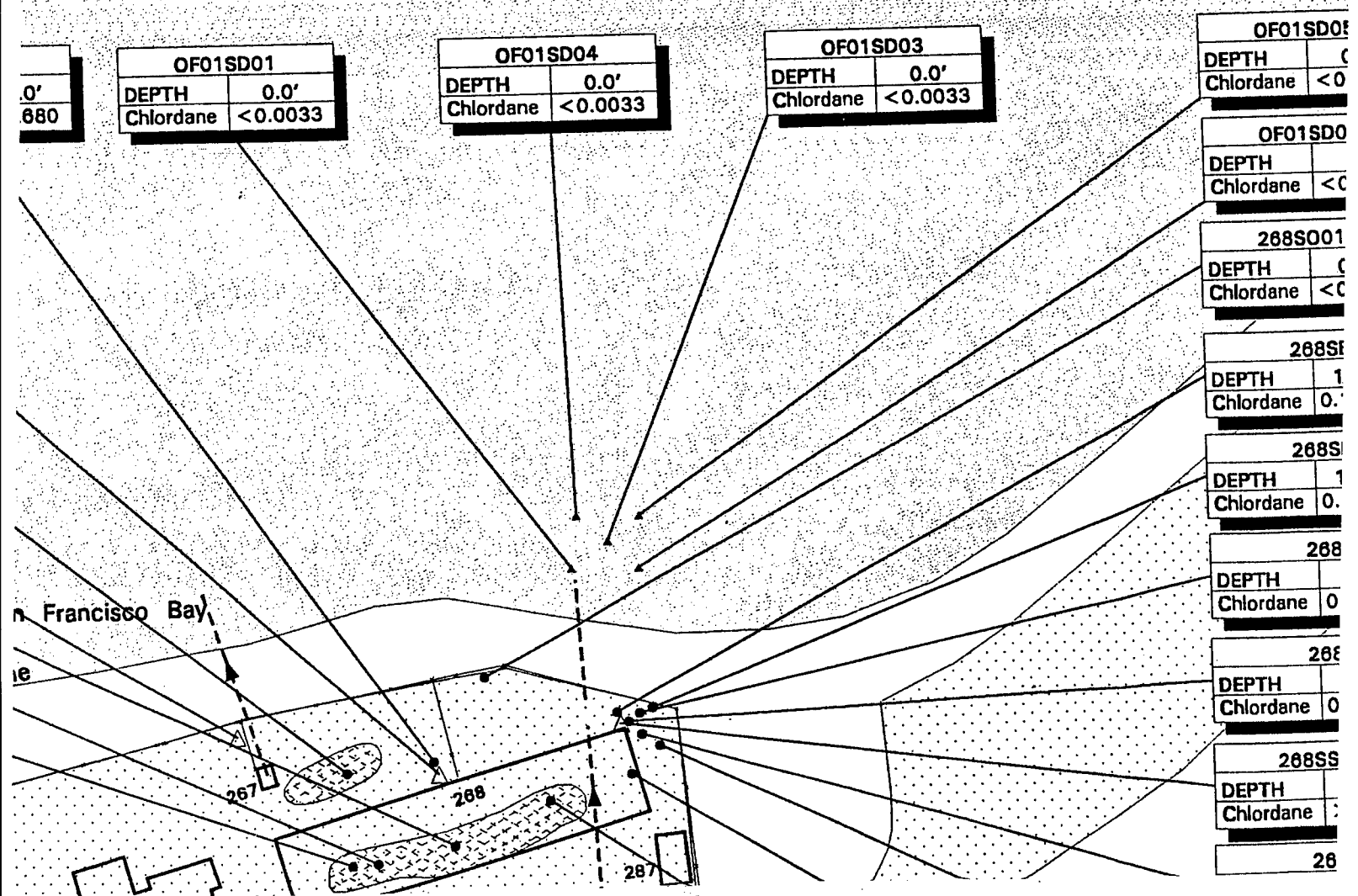
268S009			
DEPTH	6.5'	9.5'	
Chlordane	<0.680	<0.680	

269EX11		
DEPTH	5.0'	
Chlordane	<.021	



San Francisco

Shoreline

2



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- △ SURFACE SOIL SAMPLE
- ★ MONTGOMERY WATSON EXCAVATION SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ▶ STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

033	
033	
30	
3.0'	0.11
3.0'	0.9
12	
1.5'	
3	5.88
1	
1.5'	
4	1
000	
13	

4

Chlordane	<0.680	<0.680
-----------	--------	--------

269EX11		
DEPTH	5.0'	
Chlordane	<.021	

269SB01		
DEPTH	0.5'	2.5'
Chlordane	<0.0250 p	<0.0250 p

269SO03		
DEPTH	1.5'	4.5'
Chlordane	<0.068	<0.068

283SO01		
DEPTH	1.0'	5.0'
Chlordane	<0.680	<0.680

283SO02		
DEPTH	0.5'	5.0'
Chlordane	<0.680	<0.680

269EX07		
DEPTH	5.5'	
Chlordane	<.023	

269EX10		
DEPTH	5.0'	
Chlordane	<.021	

269EX01		
DEPTH	5.5'	
Chlordane	<0.05	

269EX02		
DEPTH	5.5'	
Chlordane	<0.05	

269SS01		
DEPTH	0.3'	
Chlordane	<.021 J6,9	

269EX03		
DEPTH	5.5'	
Chlordane	<.022	

269SO04		
DEPTH	1.0'	4.5'
Chlordane	<0.068	<0.068

283SS01		
DEPTH	0.0'	
Chlordane	<3.400 a	

DEHSB01		
DEPTH	3.0'	5.0'
Chlordane	<0.030	<0.030

286

Paved

285

28

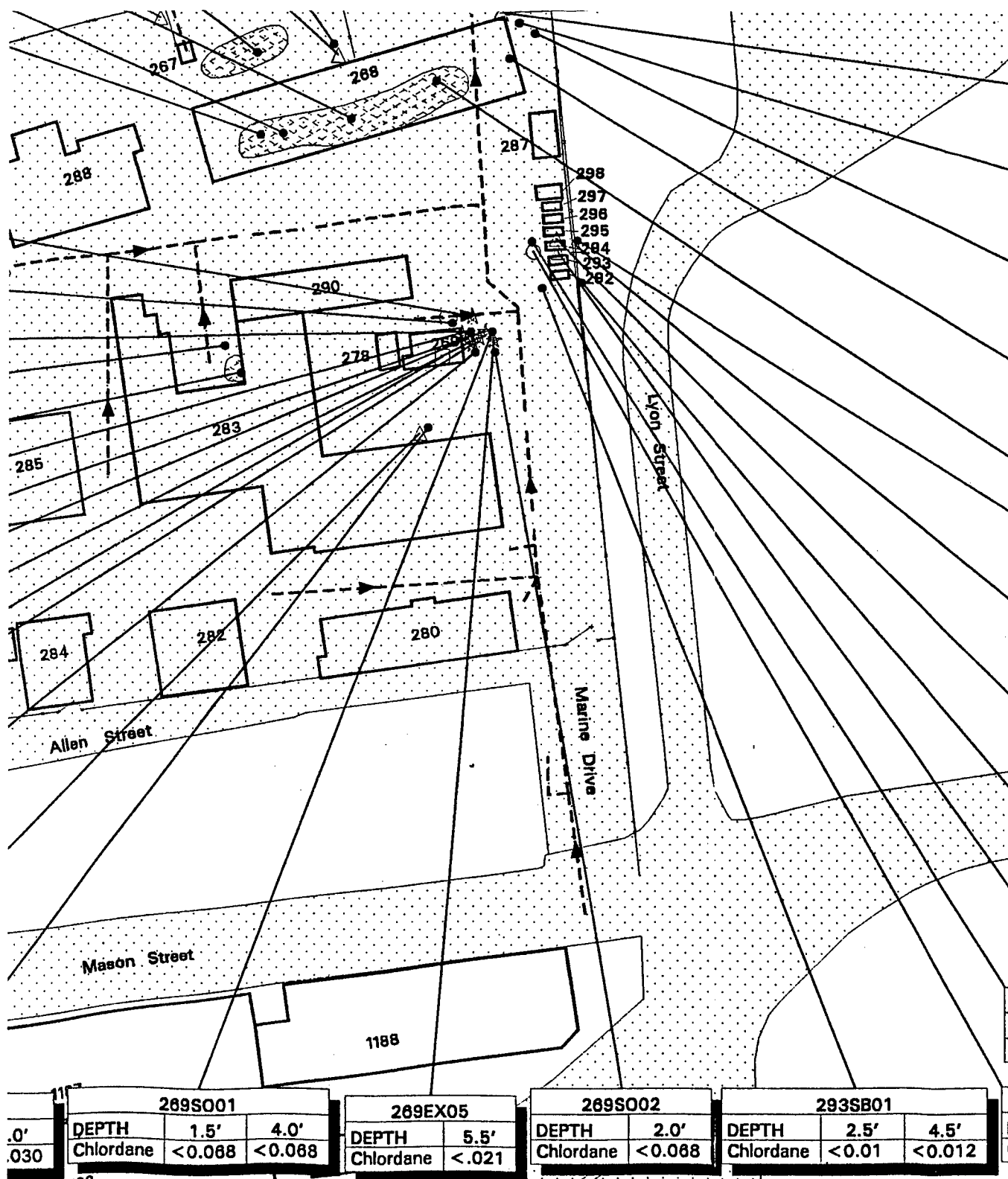
277

275

274

1184

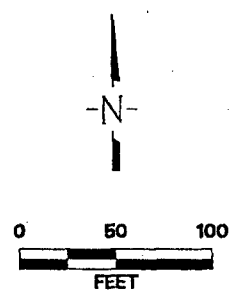
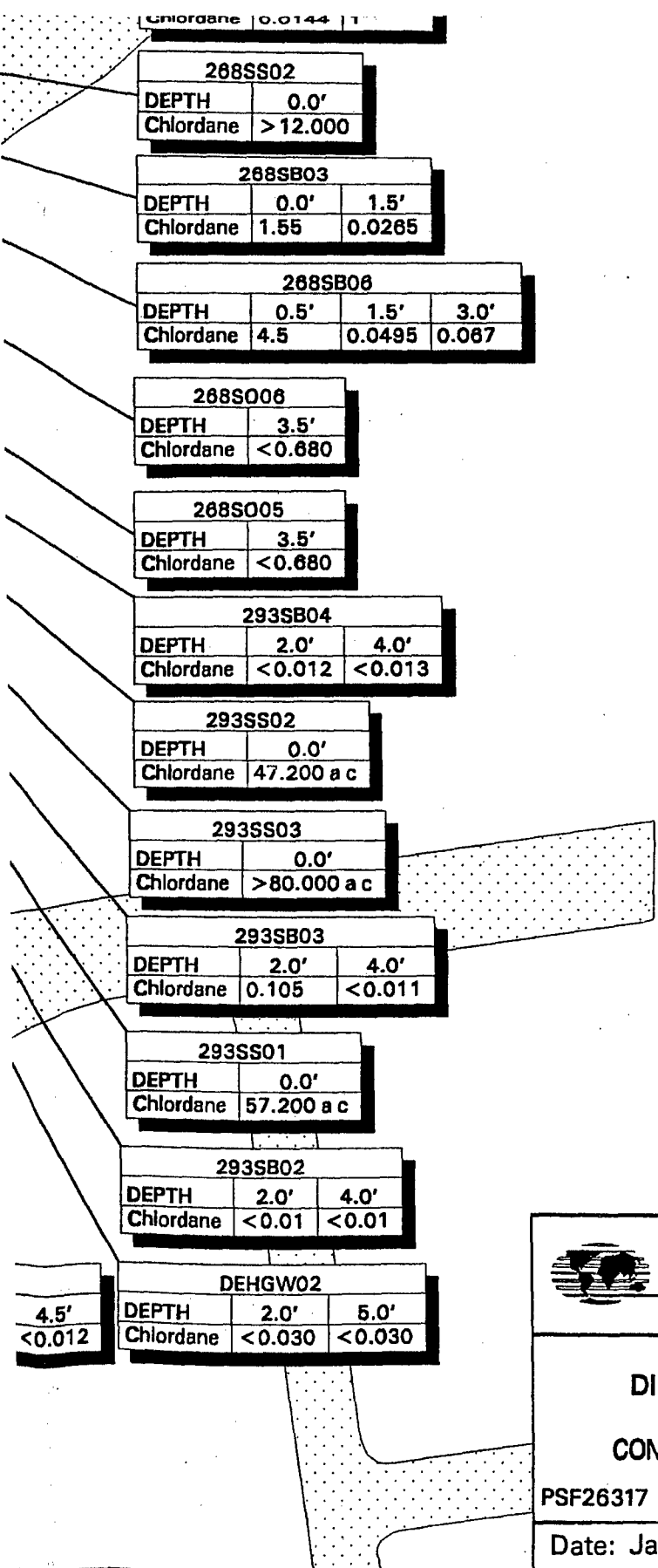
1183



Chlordane		0.014
268SS02		
DEPTH	0.1	
Chlordane	> 12.0	
268SB01		
DEPTH	0.0	
Chlordane	1.55	
268SS06		
DEPTH	0.5	
Chlordane	4.5	
268SS08		
DEPTH	3.5	
Chlordane	< 0.6	
268SS05		
DEPTH	3.5	
Chlordane	< 0.6	
293SB01		
DEPTH	2.0'	
Chlordane	< 0.0'	
293SS02		
DEPTH	0.1	
Chlordane	47.20	
293SS03		
DEPTH	0.1	
Chlordane	> 80.0	
293SB01		
DEPTH	2.0'	
Chlordane	0.105	
293SS01		
DEPTH	0.0	
Chlordane	57.200	
293SB02		
DEPTH	2.0'	
Chlordane	< 0.01	
DEHGWO:		
DEPTH	2.0'	
Chlordane	< 0.030	

269SO01			269EX05		269SO02		293SB01		
DEPTH	1.5'	4.0'	DEPTH	5.5'	DEPTH	2.0'	DEPTH	2.5'	4.5'
Chlordane	< 0.068	< 0.068	Chlordane	< .021	Chlordane	< 0.068	Chlordane	< 0.01	< 0.012

6



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF CHLORDANE IN SOIL**

PSF26317

Date: January 1997

Figure 7.5-18

268SS03	
DEPTH	0.0'
Dieldrin	<0.079

268S002	
DEPTH	3.0'
Dieldrin	<0.079

DE	
Die	

268S008	
DEPTH	3.0'
Dieldrin	<0.079

268SS01	
DEPTH	0.0'
Dieldrin	<0.079

268S004	
DEPTH	3.5'
Dieldrin	<0.079

268S007	
DEPTH	3.5'
Dieldrin	<0.079

DEHGW04		
DEPTH	2.0'	4.0'
Dieldrin	<0.006	<0.006

268S003	
DEPTH	2.5'
Dieldrin	<0.079

San Francis

Shoreline

100

268S001	
DEPTH	0.0'
Dieldrin	<0.079

OF01SD01	
DEPTH	0.0'
Dieldrin	<0.00013

OF01SD04	
DEPTH	0.0'
Dieldrin	<0.00013

OF01SD03	
DEPTH	0.0'
Dieldrin	<0.00013

OF01SD05	
DEPTH	0.0'
Dioldrin	<0.00013

OF01S	
DEPTH	
Dieldrin	<

2	
DEPTH	
Dieldrin	<

268	
DEPTH	1
Dioldrin	0.

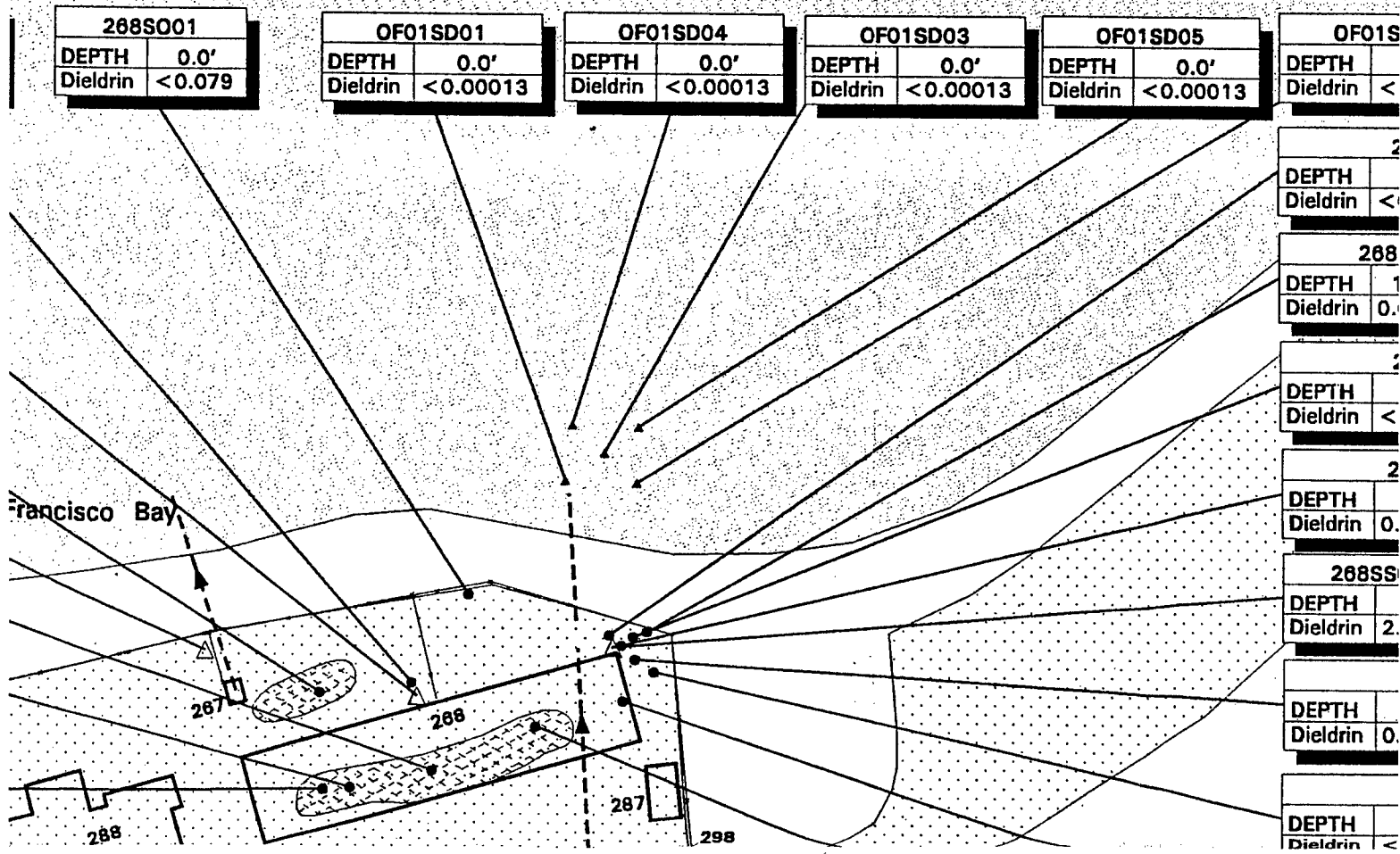
DEPTH	
Dieldrin	<

DEPTH	
Dieldrin	0.



268SS	
DEPTH	
Dieldrin	2.

DEPTH	
Dieldrin	0.

DEPTH	
Dieldrin	<



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- △ SURFACE SOIL SAMPLE
- ▶--- STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

D02
0.0'
0.00013

68SB04	
1.5'	3.0'
0.0055	0.006

SB05	
.5'	3.0'
0.028	0.016

68SB02	
0.0'	1.5'
0.0085	0.0904

68SB01	
0.5'	1.5'
0.00899	0.213

02
0.0'
.362 a

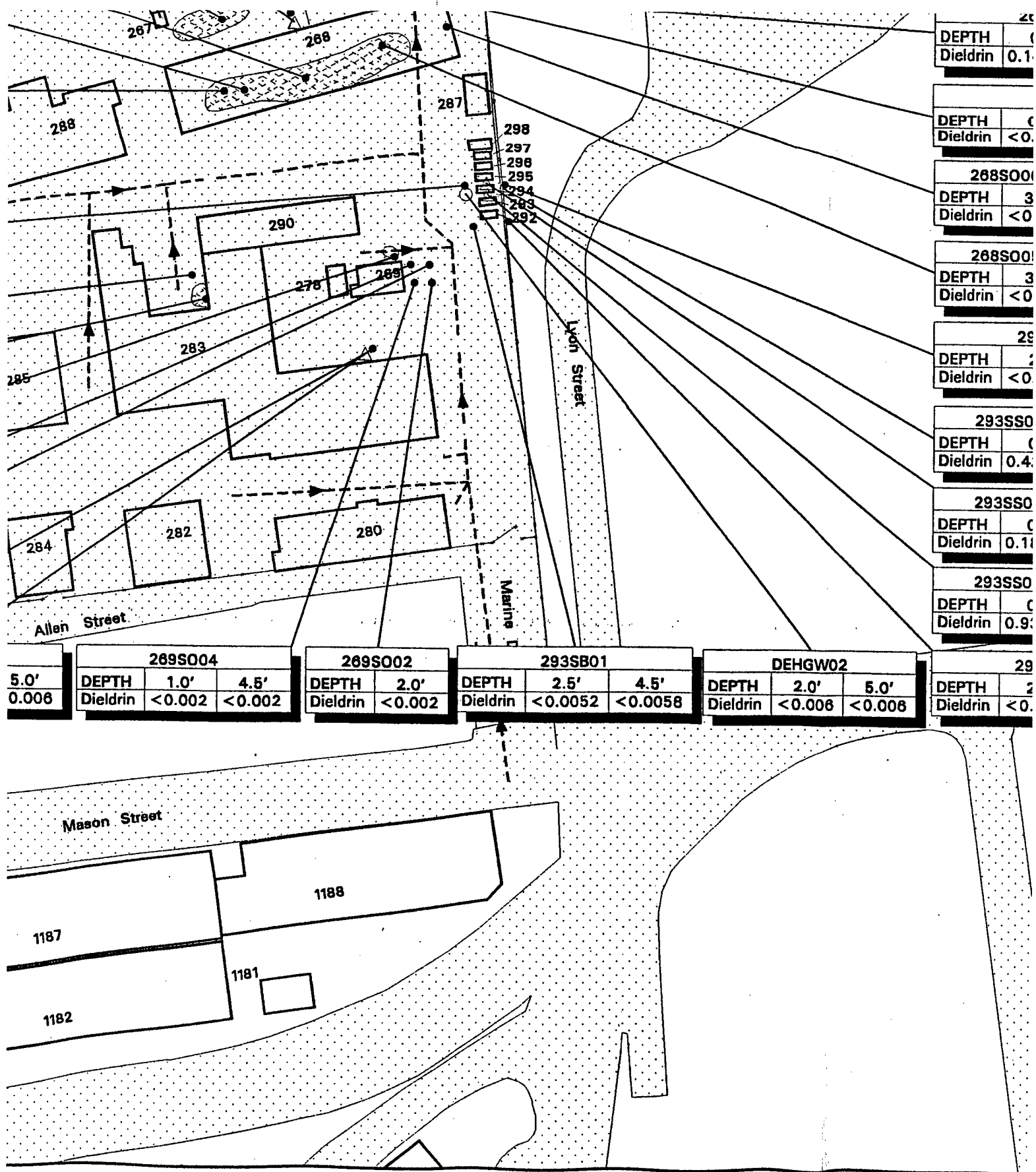
268SB03	
0.0'	1.5'
.144	<0.0057

268SB06		
0.5'	1.5'	3.0'
0.005	<0.0055	<0.005

4



FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



DEPTH	0.0'	1.5'
Dieldrin	0.144	<0.0057

268SB06			
DEPTH	0.5'	1.5'	3.0'
Dieldrin	<0.005	<0.0055	<0.005

268SO06	
DEPTH	3.5'
Dieldrin	<0.079

268SO05	
DEPTH	3.5'
Dieldrin	<0.079

293SB04		
DEPTH	2.0'	4.0'
Dieldrin	<0.0062	<0.0063

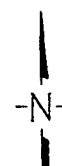
293SS02	
DEPTH	0.0'
Dieldrin	0.422 a c

293SS03	
DEPTH	0.0'
Dieldrin	0.187 a c

293SS01	
DEPTH	0.0'
Dieldrin	0.937 a c

DEHGW02		
	2.0'	5.0'
n	<0.006	<0.006

293SB03		
DEPTH	2.0'	4.0'
Dieldrin	<0.0058	<0.0057



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**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF DIELDRIN IN SOIL**

PSF26318

Date: January 1997

Figure 7.5-19

268SS03		
DEPTH	0.0'	
Endrin	< 1.300	

268S002		
DEPTH	3.0'	
Endrin	< 1.300	

268S001		
DEPTH	3.0'	
Endrin	< 1.300	

268S008		
DEPTH	3.0'	
Endrin	< 1.300	

268SS01		
DEPTH	0.0'	
Endrin	< 1.300	

268S004		
DEPTH	3.5'	
Endrin	< 1.300	

268S007		
DEPTH	3.5'	
Endrin	< 1.300	

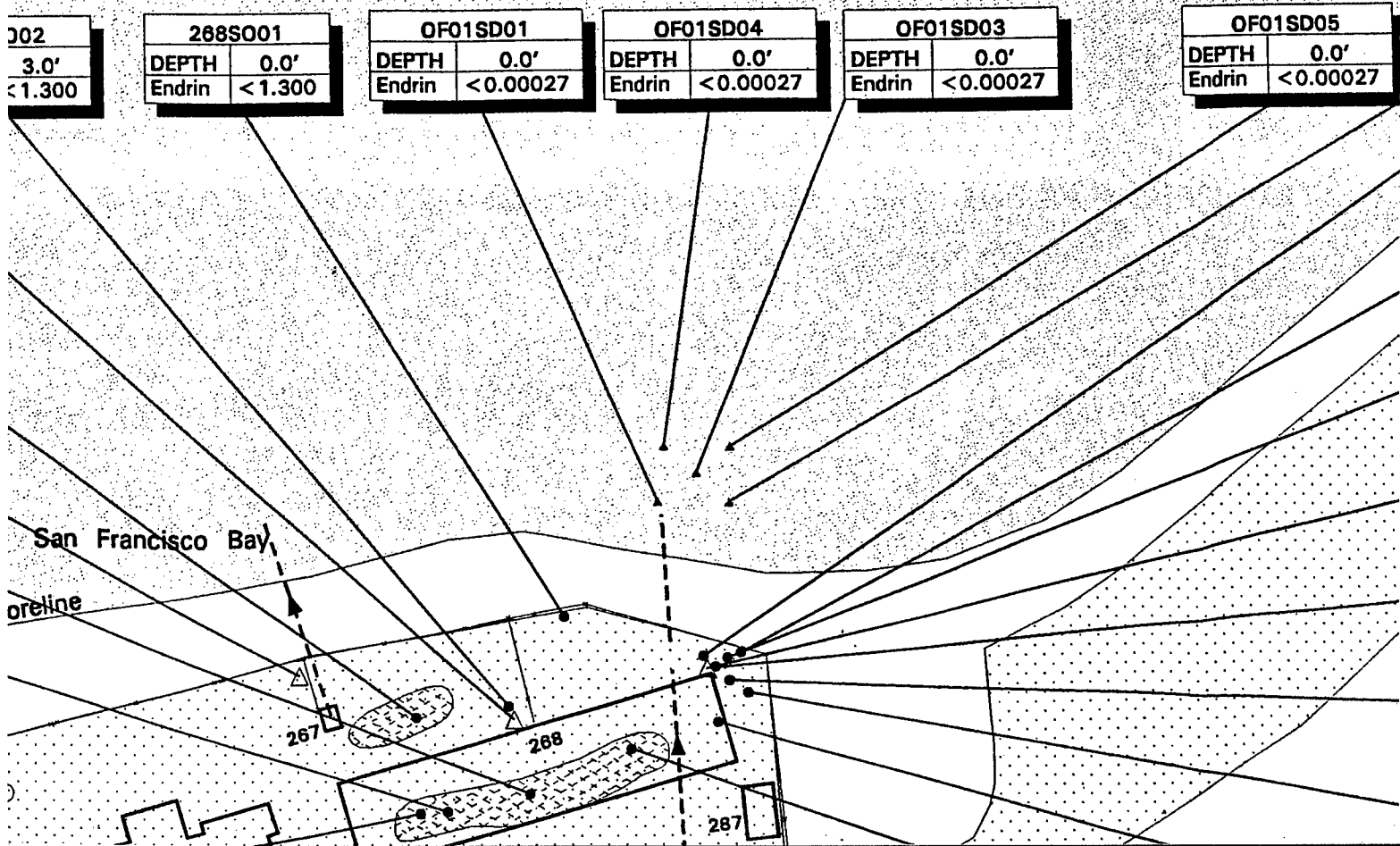
DEHGW04			
DEPTH	2.0'	4.0'	
Endrin	< 0.006	< 0.006	

268S009		
DEPTH	3.5'	
Endrin	< 1.300	



San Francisco

Shoreline

2



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- △ SURFACE SOIL SAMPLE
- STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

D02

0.0'

0.00027

268SB04

1.5'

3.0'

<0.0055 <0.005

268SB05

1.5'

3.0'

<0.005 <0.005

268SB02

0.0'

1.5'

<0.0065 <0.0062

268SB01

0.5'

1.5'

<0.0063 0.00897

SS02

0.0'

<1.300

268SB03

0.0'

1.5'

<0.0063 <0.0057

268SB06

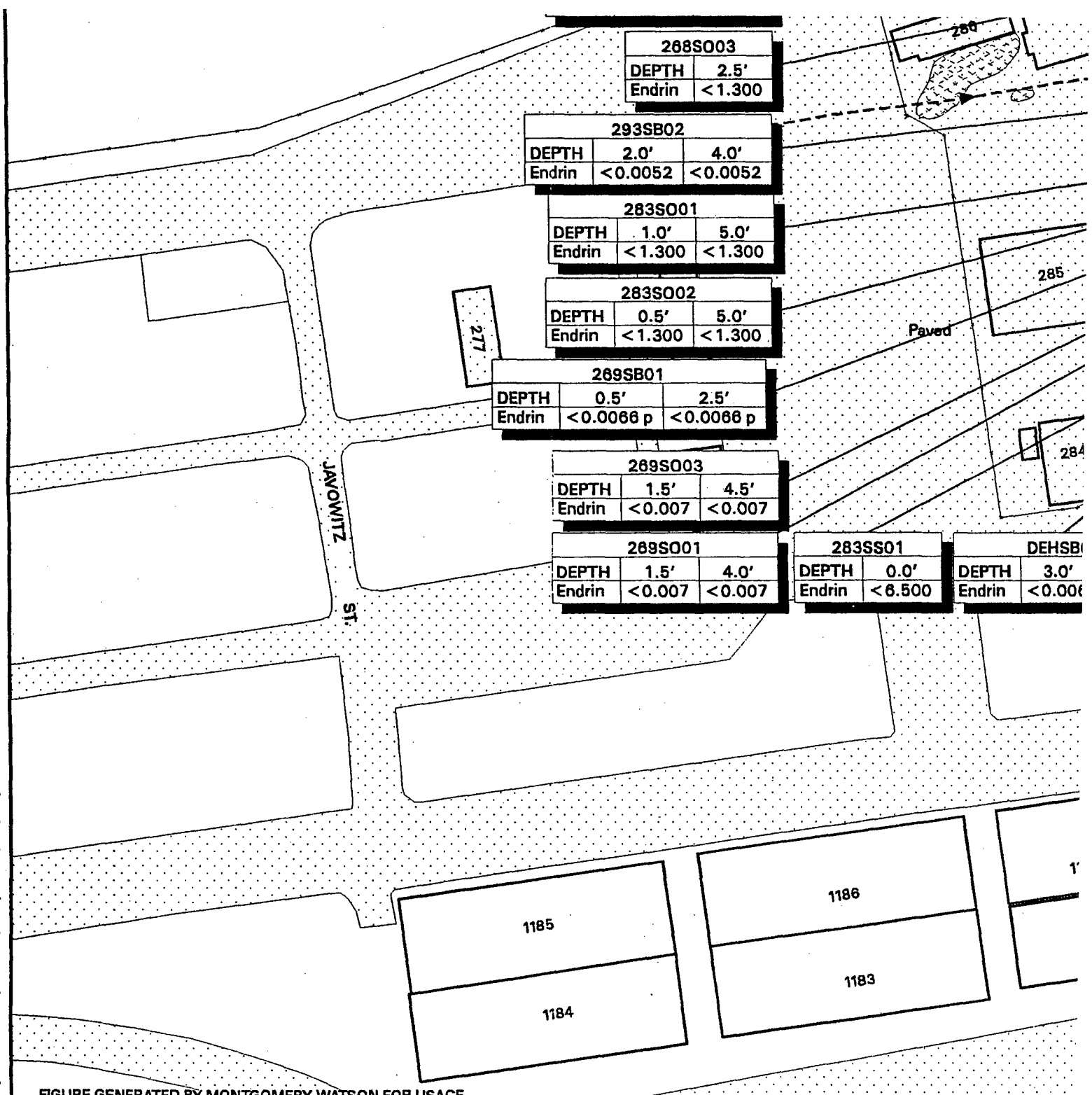
0.5'

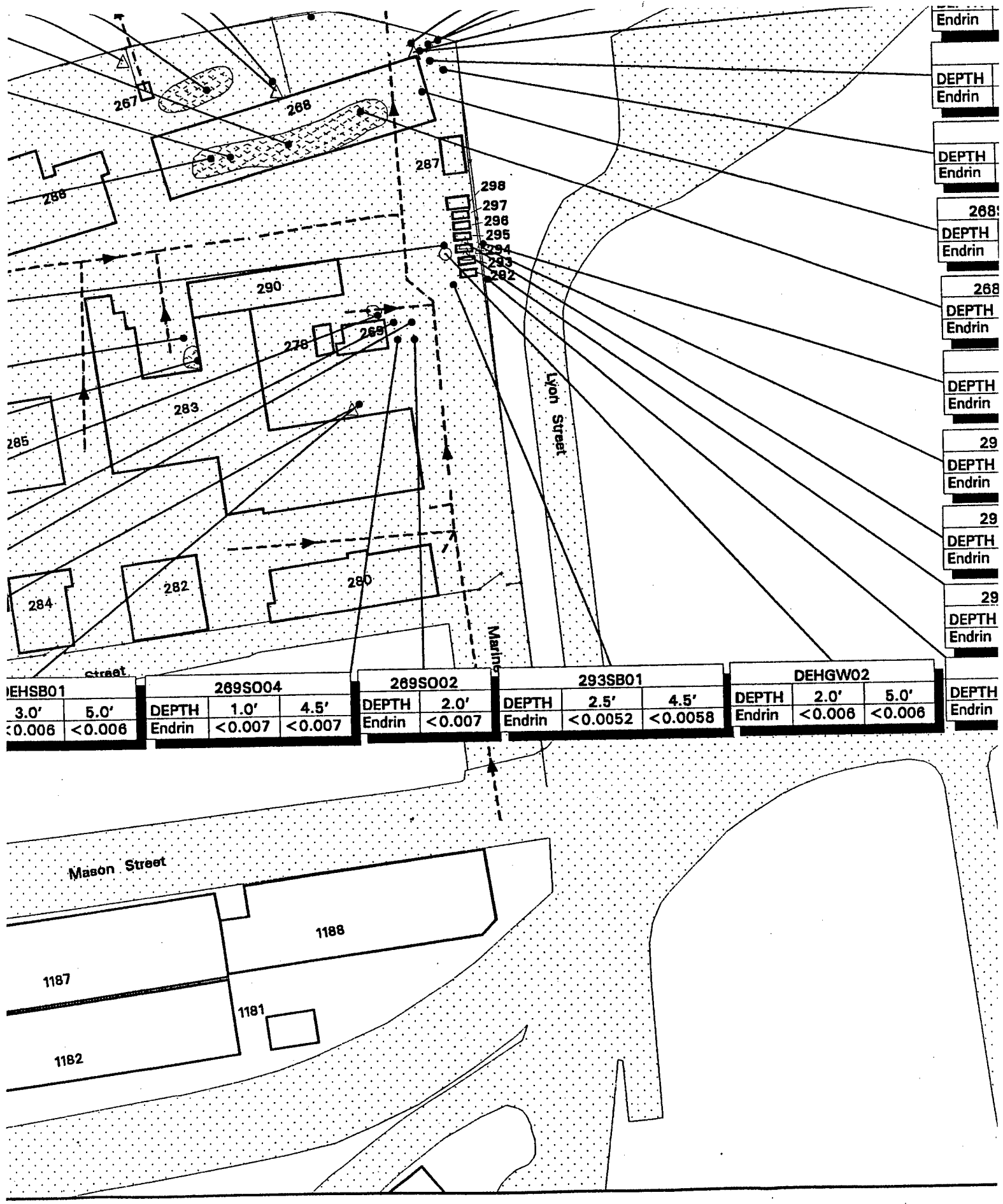
1.5'

3.0'

<0.005 <0.0055 <0.005

4

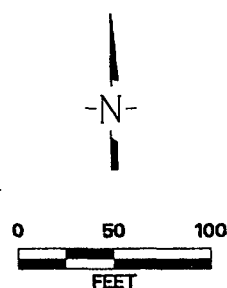
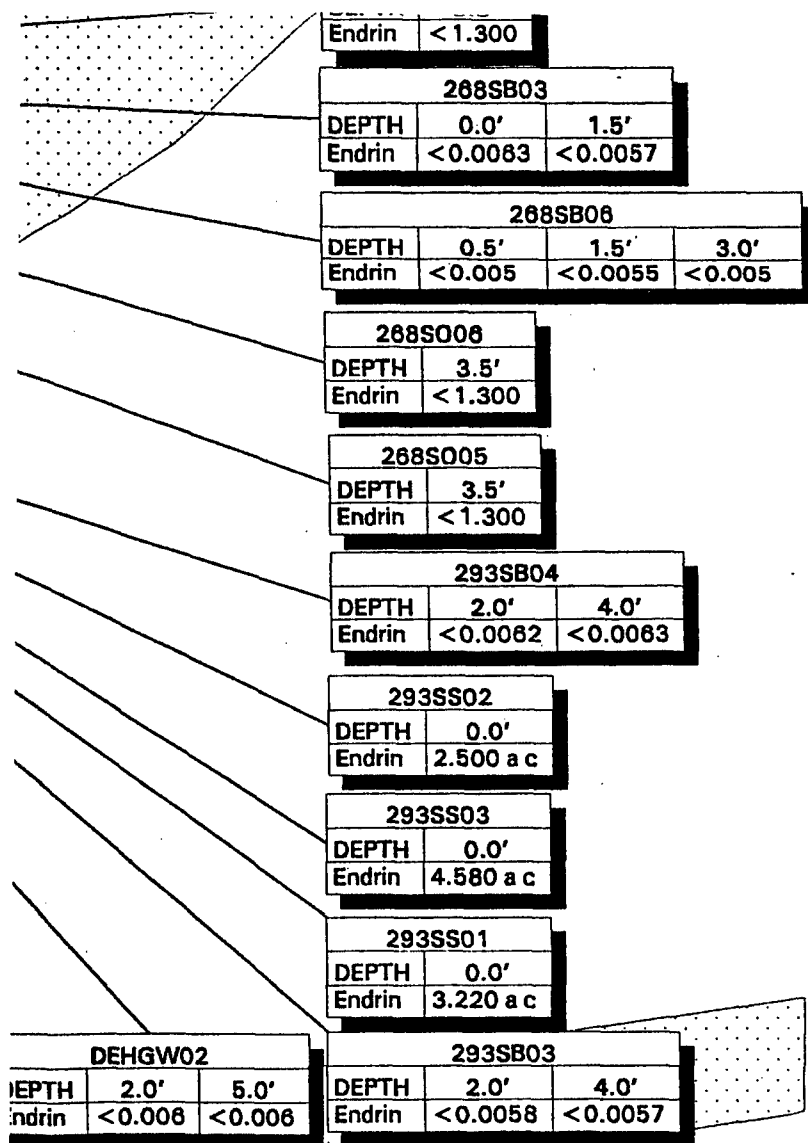




Endrin
DEPTH
Endrin
DEPTH
Endrin
268'
DEPTH
Endrin
268
DEPTH
Endrin
DEPTH
Endrin
29
DEPTH
Endrin
29
DEPTH
Endrin
29
DEPTH
Endrin

IEHSB01		269SO04			269SO02		293SB01			DEHGW02			DEPTH Endrin
3.0'	5.0'	DEPTH	1.0'	4.5'	DEPTH	2.0'	DEPTH	2.5'	4.5'	DEPTH	2.0'	5.0'	
<0.006	<0.006	Endrin	<0.007	<0.007	Endrin	<0.007	Endrin	<0.0052	<0.0058	Endrin	<0.006	<0.006	





DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF ENDRIN IN SOIL**

PSF26320

Date: January 1997

Figure 7.5-20

268S002	
DEPTH	3.0'
Heptachlor	<0.240

268S001	
DEPTH	0.0'
Heptachlor	<0.240

268SS03	
DEPTH	0.0'
Heptachlor	<0.240

268SS01	
DEPTH	0.0'
Heptachlor	<0.240

268S008	
DEPTH	3.0'
Heptachlor	<0.240

268S004	
DEPTH	3.5'
Heptachlor	<0.240

DEHGW04		
DEPTH	2.0'	4.0'
Heptachlor	<0.003	<0.003

San Francisco

Shoreline

D
H

2

OF01SD01	
DEPTH	0.0'
Heptachlor	<0.0001

OF01SD04	
DEPTH	0.0'
Heptachlor	0.00025 n

OF01SD03	
DEPTH	0.0'
Heptachlor	<0.0001

OF01SD05	
DEPTH	0.0'
Heptachlor	<0.0001

OF01SD02	
DEPTH	0.0'
Heptachlor	<0.0001

268S	
DEPTH	1.0'
Heptachlor	<0.0001

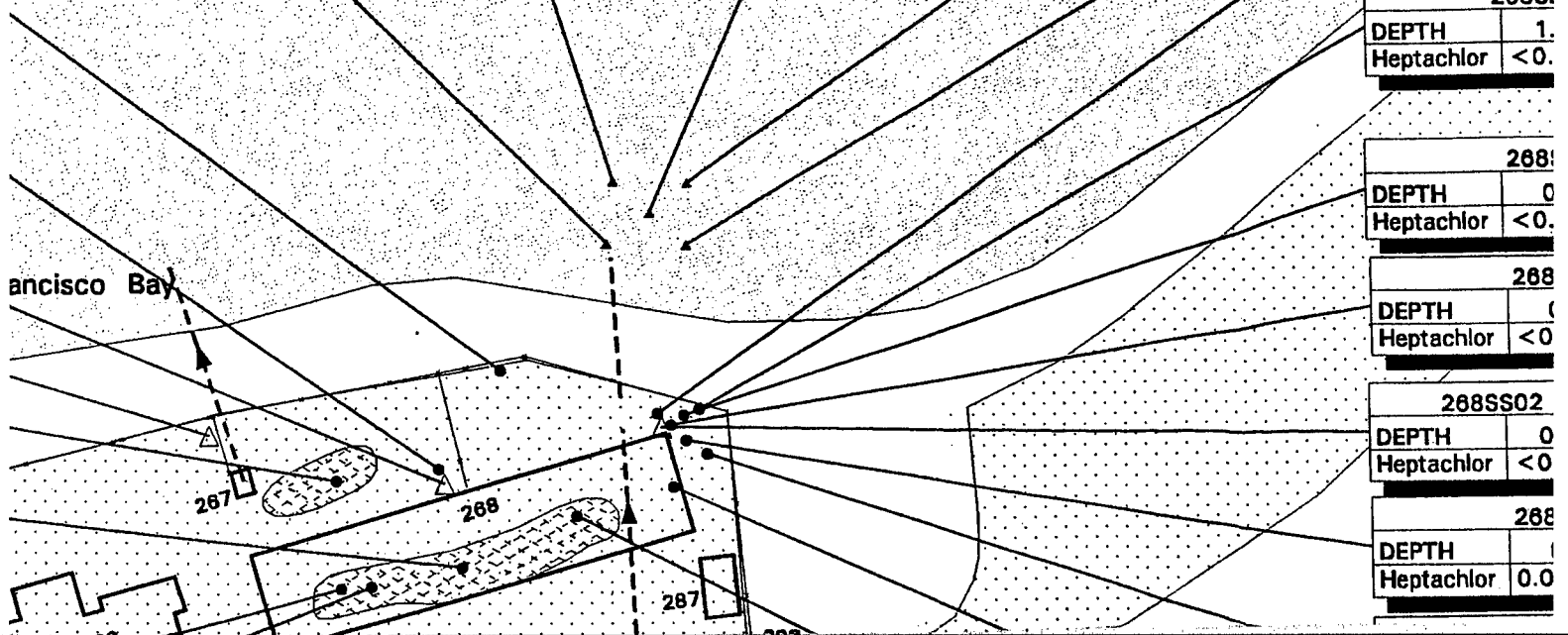
268SI	
DEPTH	1.0'
Heptachlor	<0.0001

268S	
DEPTH	0.0'
Heptachlor	<0.0001



268	
DEPTH	0.0'
Heptachlor	<0.0001

268SS02	
DEPTH	0.0'
Heptachlor	<0.0001

268	
DEPTH	0.0'
Heptachlor	0.0001



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- △ SURFACE SOIL SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

OF01SD02

DEPTH	0.0'
Heptachlor	<0.0001

268SB04

DEPTH	1.5'	3.0'
Heptachlor	<0.0055	<0.005

268SB05

DEPTH	1.5'	3.0'
Heptachlor	<0.005	<0.005

268SB02

DEPTH	0.0'	1.5'
Heptachlor	<0.0065	<0.0062

268SB01

DEPTH	0.5'	1.5'
Heptachlor	<0.0063	<0.0059

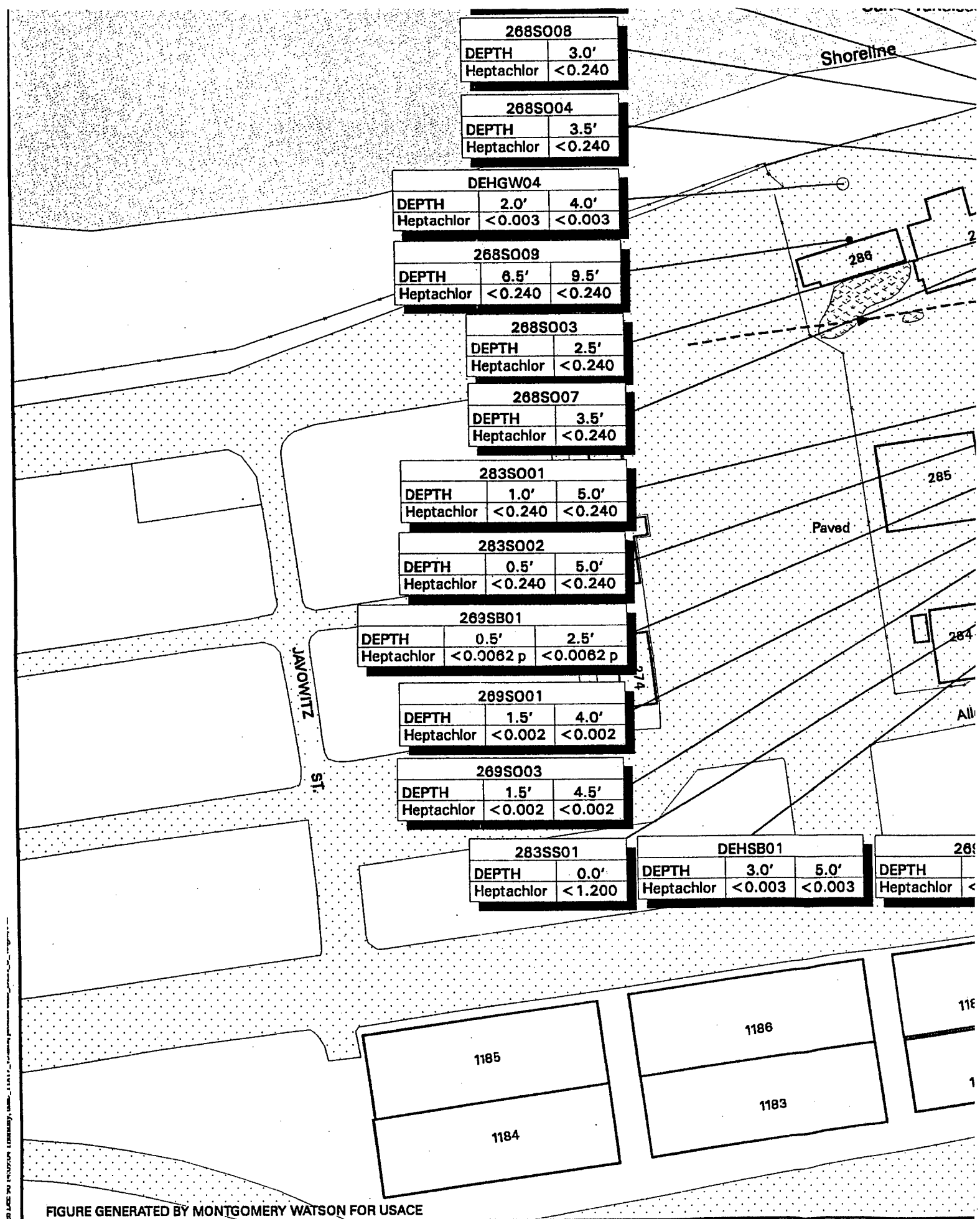
268SS02

DEPTH	0.0'
Heptachlor	<0.240

268SB03

DEPTH	0.0'	1.5'
Heptachlor	0.0144	<0.0057

4



268S008		
DEPTH	3.0'	
Heptachlor	<0.240	

268S004		
DEPTH	3.5'	
Heptachlor	<0.240	

DEHGW04		
DEPTH	2.0'	4.0'
Heptachlor	<0.003	<0.003

268S009		
DEPTH	6.5'	9.5'
Heptachlor	<0.240	<0.240

268S003		
DEPTH	2.5'	
Heptachlor	<0.240	

268S007		
DEPTH	3.5'	
Heptachlor	<0.240	

283S001		
DEPTH	1.0'	5.0'
Heptachlor	<0.240	<0.240

283S002		
DEPTH	0.5'	5.0'
Heptachlor	<0.240	<0.240

269SB01		
DEPTH	0.5'	2.5'
Heptachlor	<0.0062 p	<0.0062 p

269S001		
DEPTH	1.5'	4.0'
Heptachlor	<0.002	<0.002

269S003		
DEPTH	1.5'	4.5'
Heptachlor	<0.002	<0.002

283SS01		
DEPTH	0.0'	
Heptachlor	<1.200	

DEHSB01		
DEPTH	3.0'	5.0'
Heptachlor	<0.003	<0.003

283		
DEPTH	<0.003	
Heptachlor	<0.003	

Heptachlor

DEHGW02		
DEPTH	2.0'	5.0'
Heptachlor	<0.003	<0.003

6

DEPTH	0.5'	1.5'
Heptachlor	<0.0063	<0.0059

268SS02		
DEPTH	0.0'	
Heptachlor	<0.240	

268SB03		
DEPTH	0.0'	1.5'
Heptachlor	0.0144	<0.0057

268SB06			
DEPTH	0.5'	1.5'	3.0'
Heptachlor	0.31	<0.0055	<0.005

268S006	
DEPTH	3.5'
Heptachlor	<0.240

268S005	
DEPTH	3.5'
Heptachlor	<0.240

293SB04		
DEPTH	2.0'	4.0'
Heptachlor	<0.0062	<0.0063

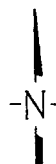
293SS02	
DEPTH	0.0'
Heptachlor	0.508

293SS03	
DEPTH	0.0'
Heptachlor	0.766 a c

293SS01	
DEPTH	0.0'
Heptachlor	0.196 a c

293SB03		
DEPTH	2.0'	4.0'
Heptachlor	<0.0058	<0.0057

293SB02		
DEPTH	2.0'	4.0'
Heptachlor	<0.0052	<0.0052



DAMES & MOORE

**DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF HEPTACHLOR IN SOIL**

PSF26321

Date: January 1997

Figure 7.5-21

DEHW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	5.36	< 5.0
Arsenic (F)	5.330	4.60	< 5.0

Analyte	Suppl. RI
Arsenic	NA
Arsenic (F)	3.820

286SB13			
Program Depth	Follow-on RI 11.0'	Follow-on RI 20.0'	Follow-on RI 30.0'
Arsenic	6	8	8
Arsenic (F)	< 5	< 5	NA

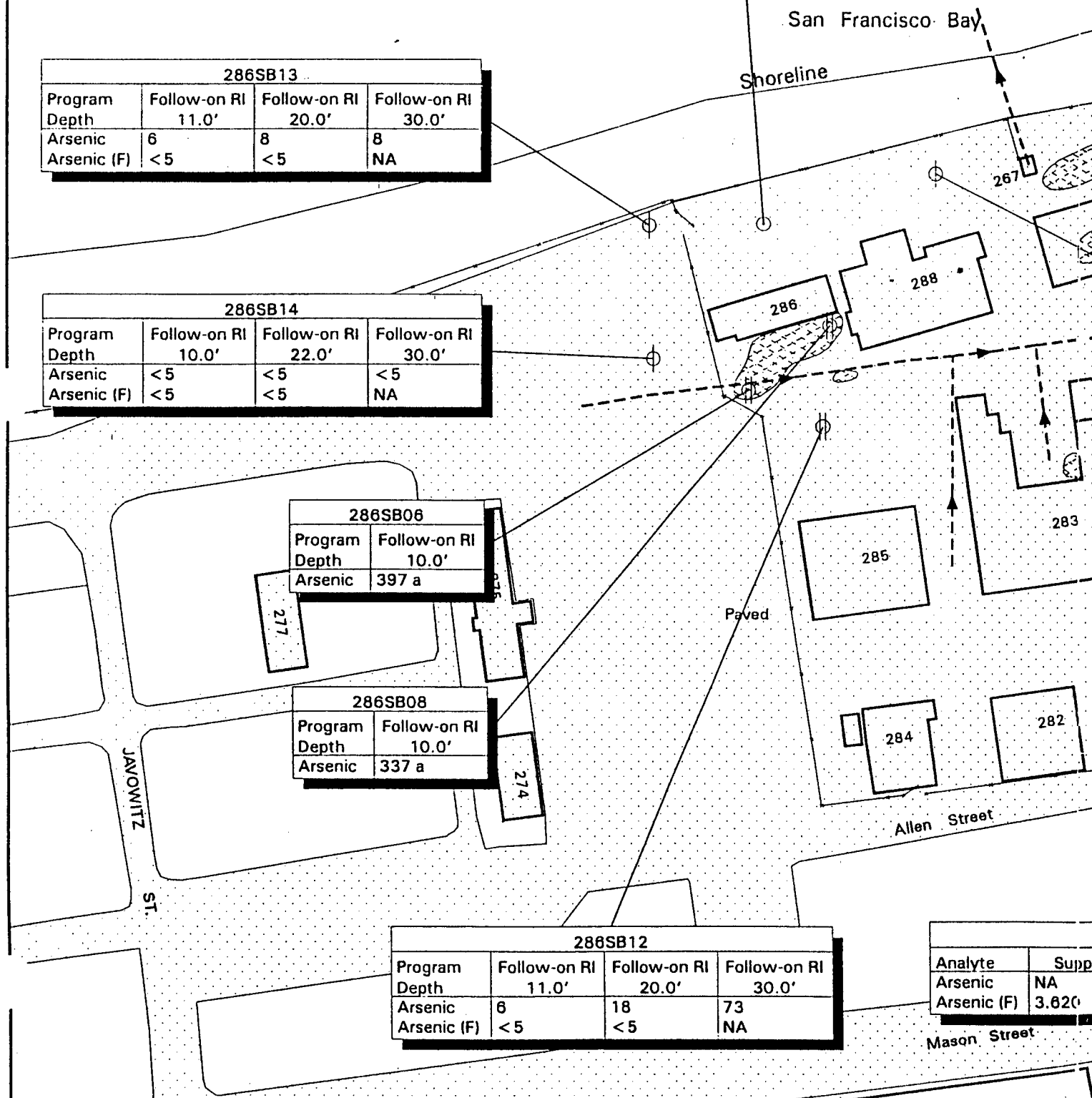
286SB14			
Program Depth	Follow-on RI 10.0'	Follow-on RI 22.0'	Follow-on RI 30.0'
Arsenic	< 5	< 5	< 5
Arsenic (F)	< 5	< 5	NA

286SB06	
Program Depth	Follow-on RI 10.0'
Arsenic	397 a

286SB08	
Program Depth	Follow-on RI 10.0'
Arsenic	337 a

286SB12			
Program Depth	Follow-on RI 11.0'	Follow-on RI 20.0'	Follow-on RI 30.0'
Arsenic	6	18	73
Arsenic (F)	< 5	< 5	NA

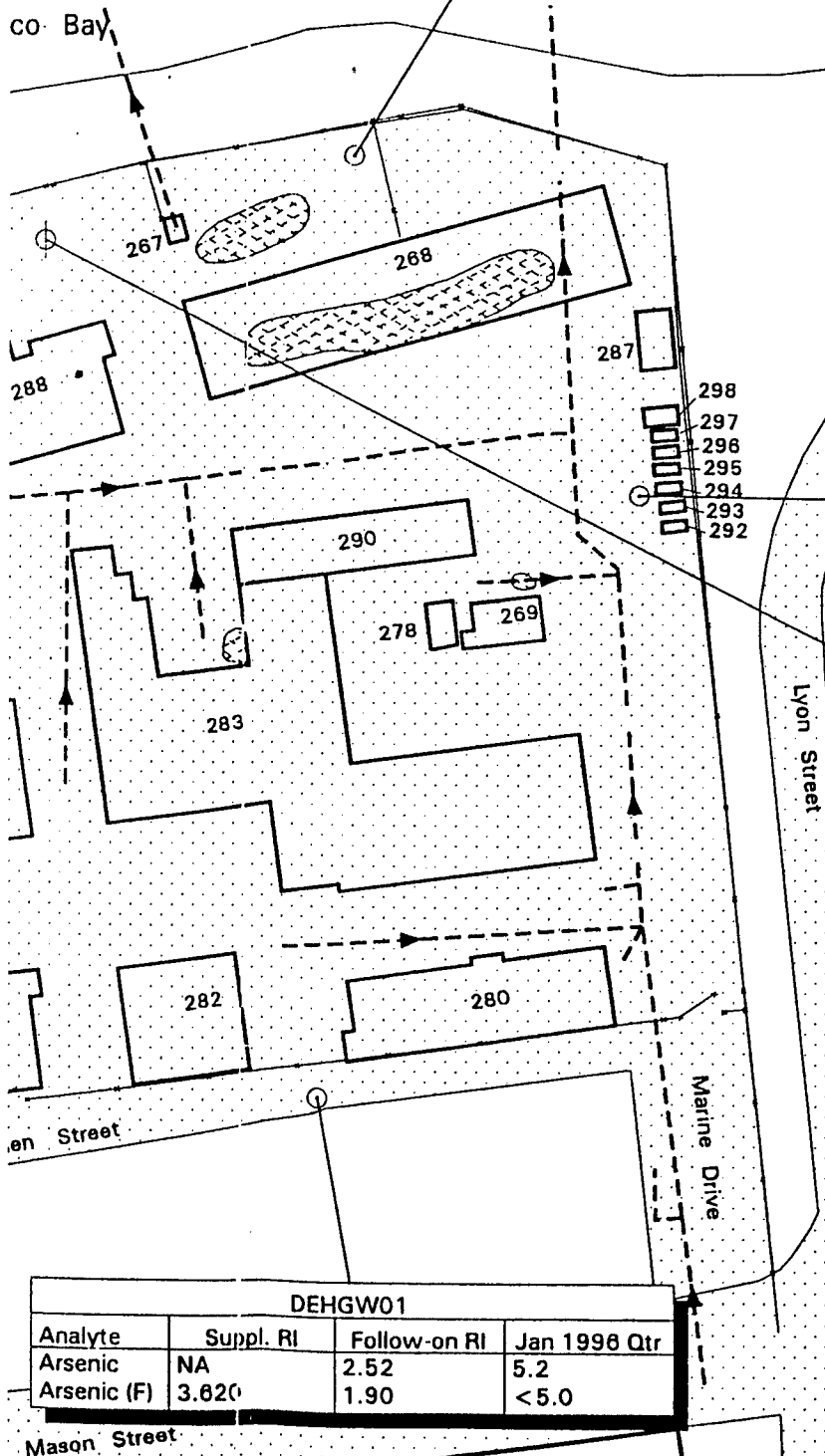
Analyte	Suppl. RI
Arsenic	NA
Arsenic (F)	3.820



DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	6.20	5.2
Arsenic (F)	4.480	3.50	< 5.0

EXPLANATION	
	DISCRETE GROUNDWATER MONITORING WELL WITH SAMPLES
	SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
	STORM DRAIN WITH FLOW
	SURFACES COVERED BY PAVEMENT OR BUILDINGS
	STAINED AREAS

- NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
 2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED



DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	5.88 n	< 5.0
Arsenic (F)	7.570	2.60 n	< 5.0

286SB15			
Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30.0'
Arsenic	11	6	69
Arsenic (F)	< 5	< 5	NA

DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	2.52	5.2
Arsenic (F)	3.620	1.90	< 5.0



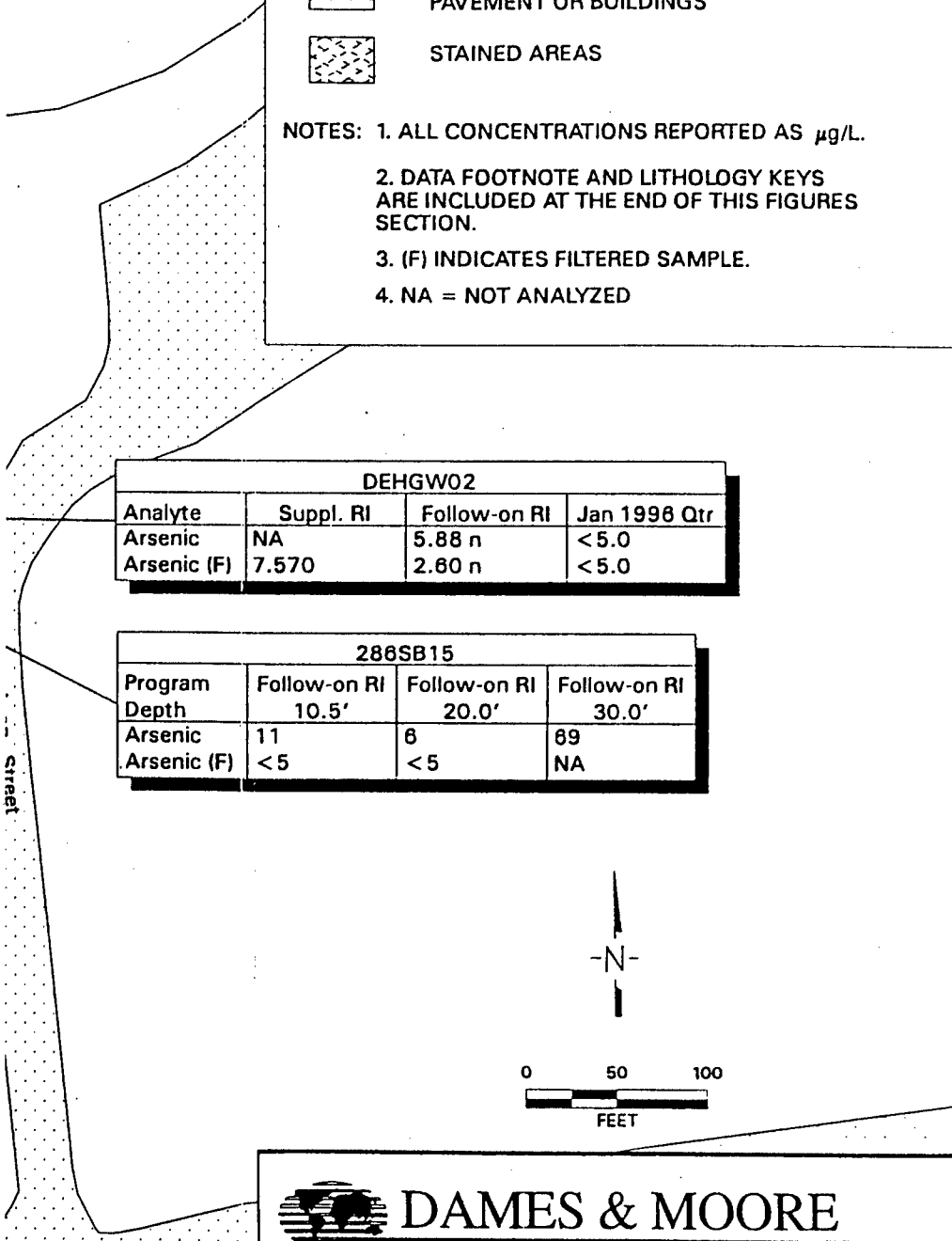
DIRECTORATE OF ENGINEERING
 AND HOUSING STUDY
 CONCENTRATIONS OF ARSENIC IN

PSF26299

Date: January 1997

Figur

Qtr



Street

EXPLANATION

⊙ DISCRETE GROUNDWATER SAMPLE

⊙ MONITORING WELL WITH SOIL SAMPLES

⊙ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

---> STORM DRAIN WITH FLOW DIRECTION

[Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

[Cross-hatched Box] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

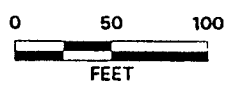
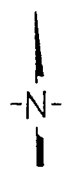
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Arsenic	NA	5.88 n	< 5.0
Arsenic (F)	7.570	2.60 n	< 5.0

286SB15			
Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30.0'
Arsenic	11	6	69
Arsenic (F)	< 5	< 5	NA



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CONCENTRATIONS OF ARSENIC IN GROUNDWATER

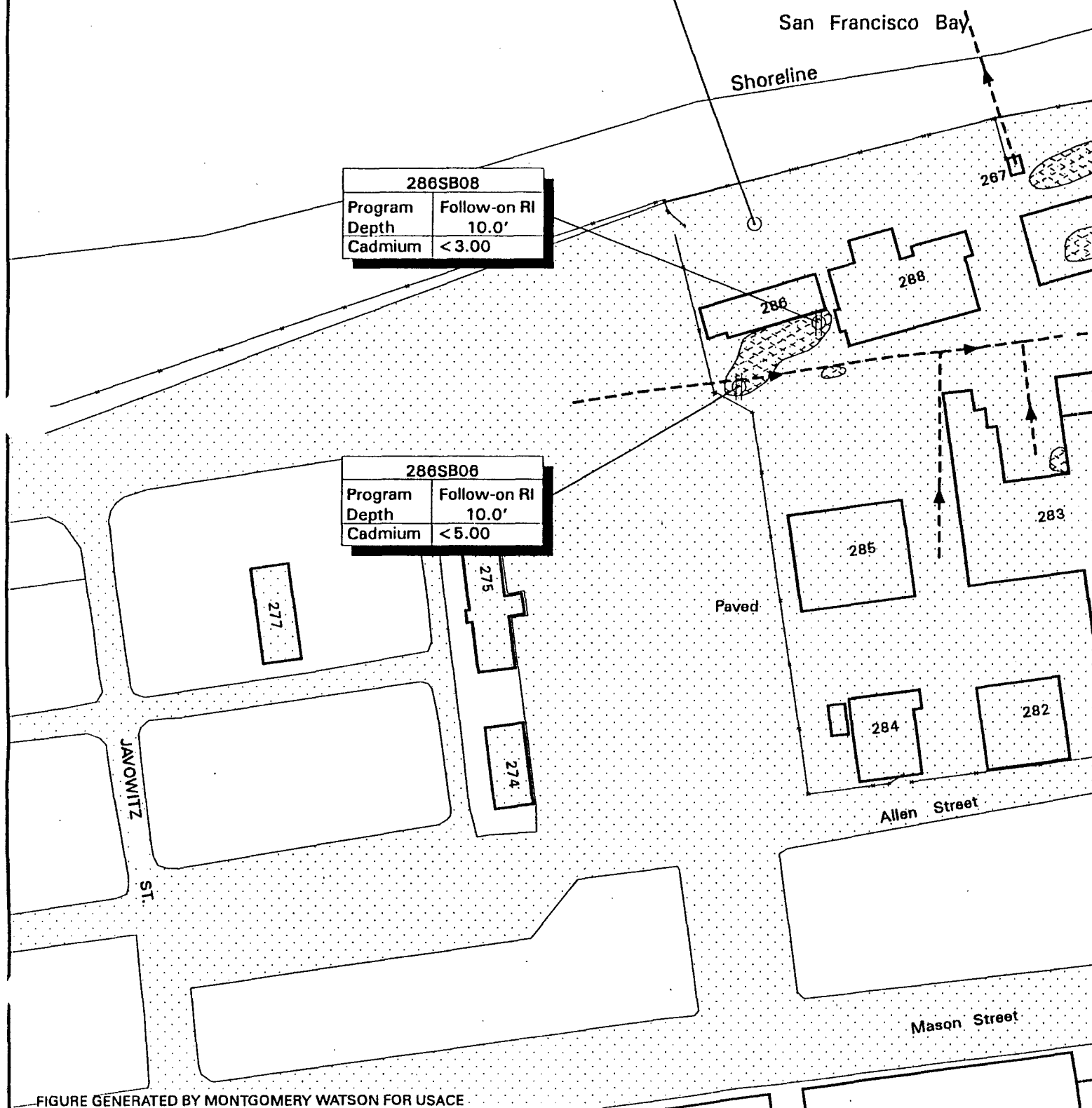
PSF26299

Date: January 1997

Figure 7.5-22

DEHW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	< 4.010	22.0 f	< 0.50
Cadmium (F)	< 4.010	< 3.00	< 0.50

Analyte
Cadmium
Cadmium



DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	86.0	<0.50
Cadmium (F)	<4.010	<3.00	<0.50

2

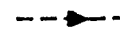
EXPLANATION



MONITORING WELL WITH S SAMPLES



SOIL BORING WITH DISCRE GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW



SURFACES COVERED BY PAVEMENT OR BUILDINGS



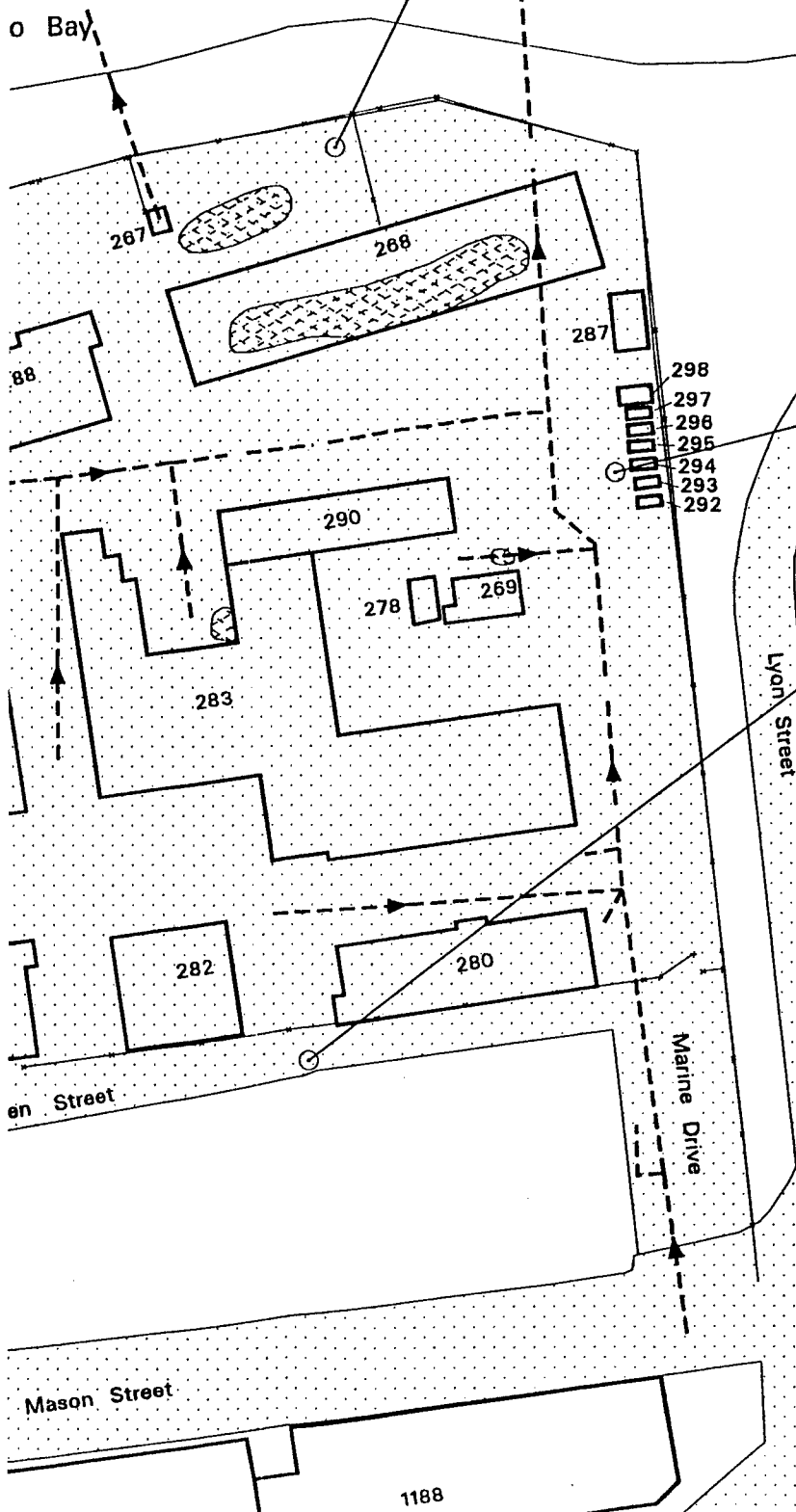
STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPOF

2. DATA FOOTNOTE AND LITHOL ARE INCLUDED AT THE END OF T SECTION.

3. (F) INDICATES FILTERED SAMP

4. NA = NOT ANALYZED



DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	<3.00	<0.50
Cadmium (F)	<4.010	<3.00	<0.50

DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	<4.010	8.00 f	<0.50
Cadmium (F)	65.000	<3.00	<0.50



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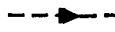


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CONCENTRATIONS OF CADMIUM IN

PSF26304

Date: January 1997

Figur

EXPLANATION

-  MONITORING WELL WITH SOIL SAMPLES
-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

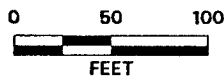
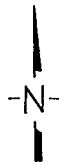
- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

DEHW02

anlyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
admium	NA	< 3.00	< 0.50
admium (F)	< 4.010	< 3.00	< 0.50

DEHW01

alyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
dmium	< 4.010	8.00 f	< 0.50
dmium (F)	65.000	< 3.00	< 0.50



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CONCENTRATIONS OF CADMIUM IN GROUNDWATER

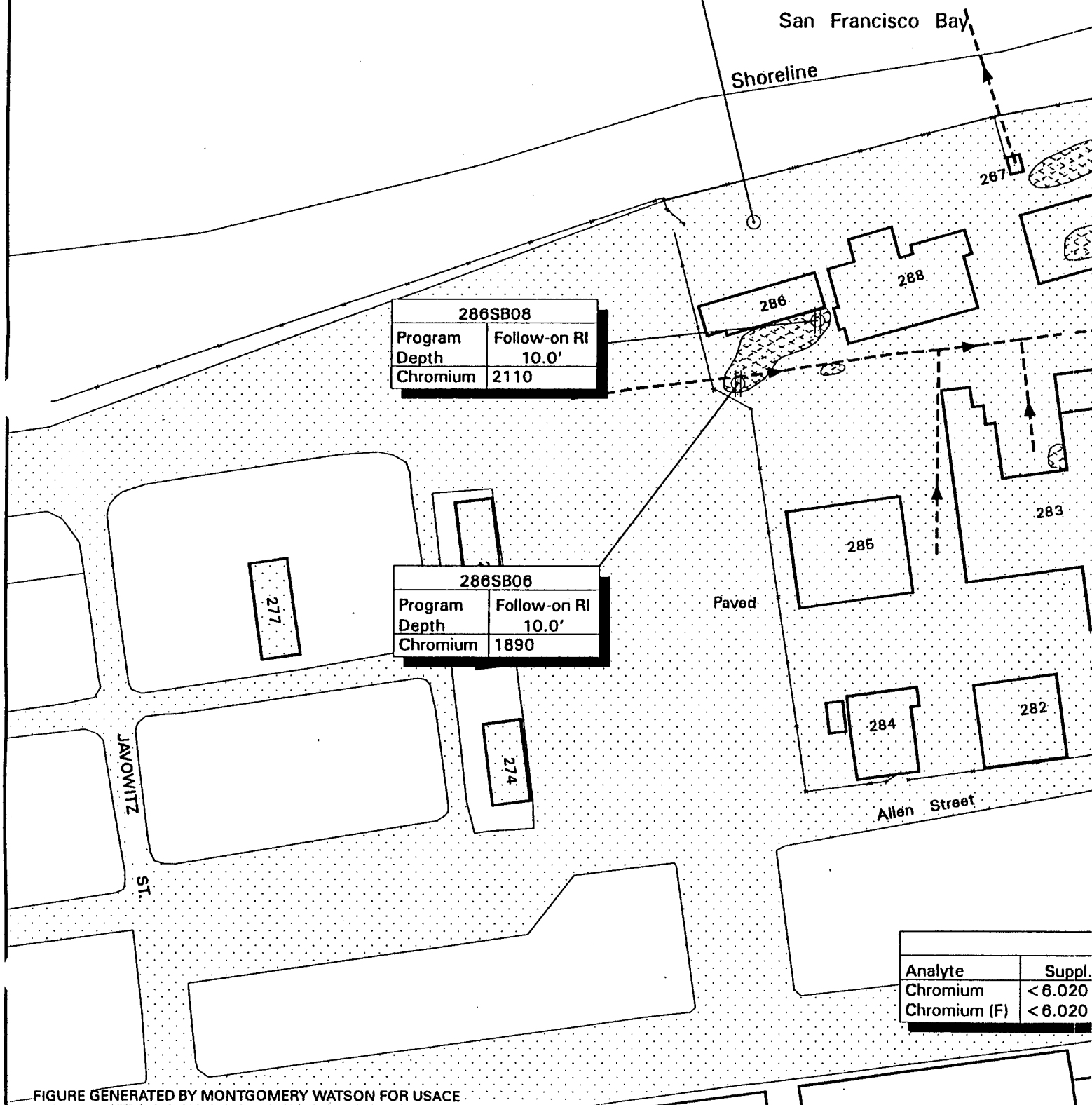
PSF26304

Date: January 1997

Figure 7.5-23

DEHW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	25.700	19.0	1.5
Chromium (F)	<6.020	<5.00	<1.0

Analyte
Chromium
Chromium (F)



Analyte	Suppl.
Chromium	<6.020
Chromium (F)	<6.020

2

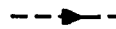
EXPLANATION



MONITORING WELL WITH SAMPLES



SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW



SURFACES COVERED BY PAVEMENT OR BUILDINGS



STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORT

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THE SECTION.

3. (F) INDICATES FILTERED SAMPLE

4. NA = NOT ANALYZED

DEHGW03

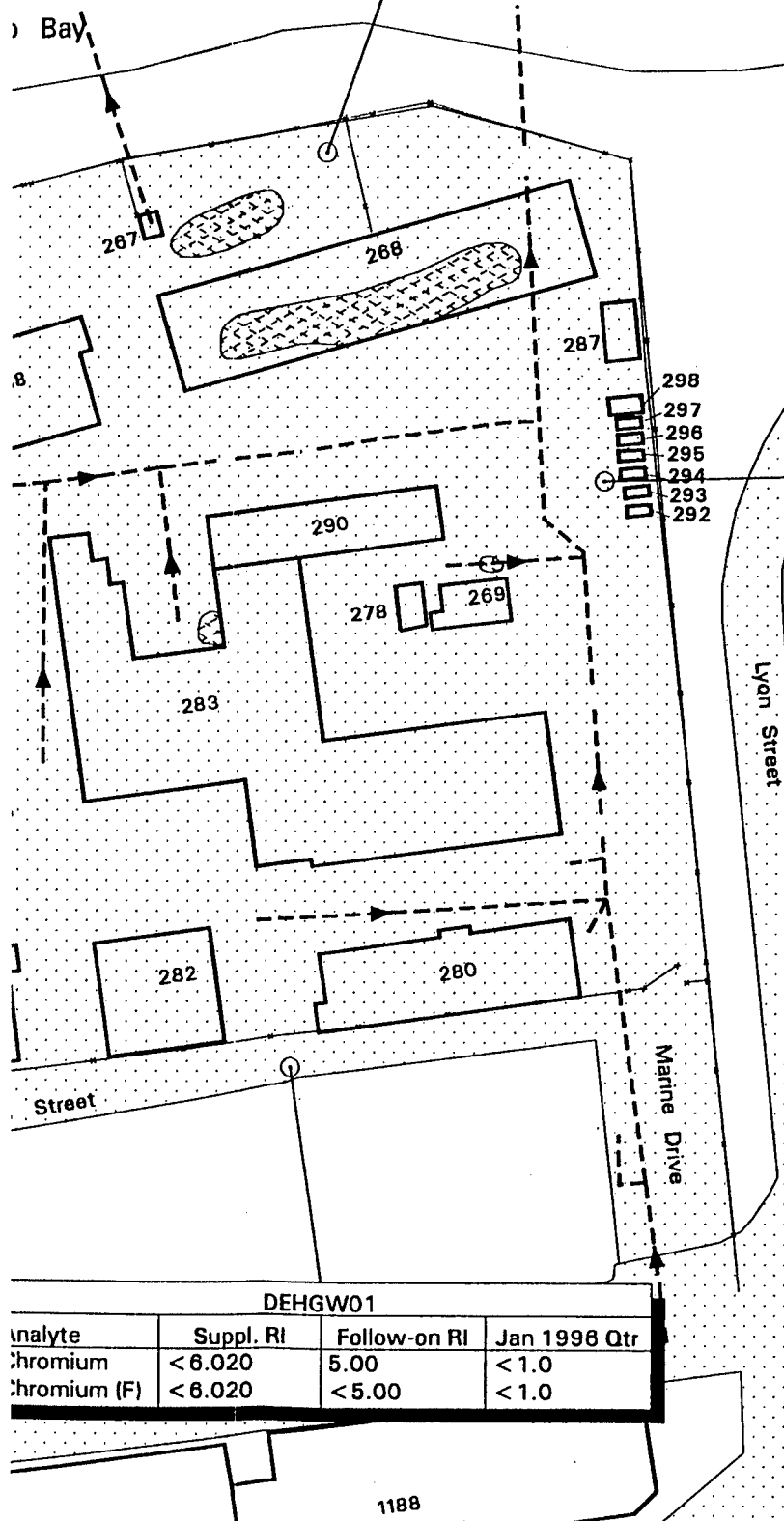
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	52.0	1.8
Chromium (F)	< 6.020	< 5.00	< 1.0

DEHGW02

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	< 5.00	1.2
Chromium (F)	< 6.020	< 5.00	< 1.0

DEHGW01

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	< 6.020	5.00	< 1.0
Chromium (F)	< 6.020	< 5.00	< 1.0



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

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AND HOUSING STUDY
CONCENTRATIONS OF CHROMIUM IN

PSF26304

Date: January 1997

Figure

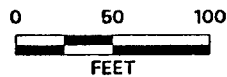
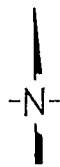
EXPLANATION

-  MONITORING WELL WITH SOIL SAMPLES
-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

DEHW02

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	< 5.00	1.2
Chromium (F)	< 6.020	< 5.00	< 1.0



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CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

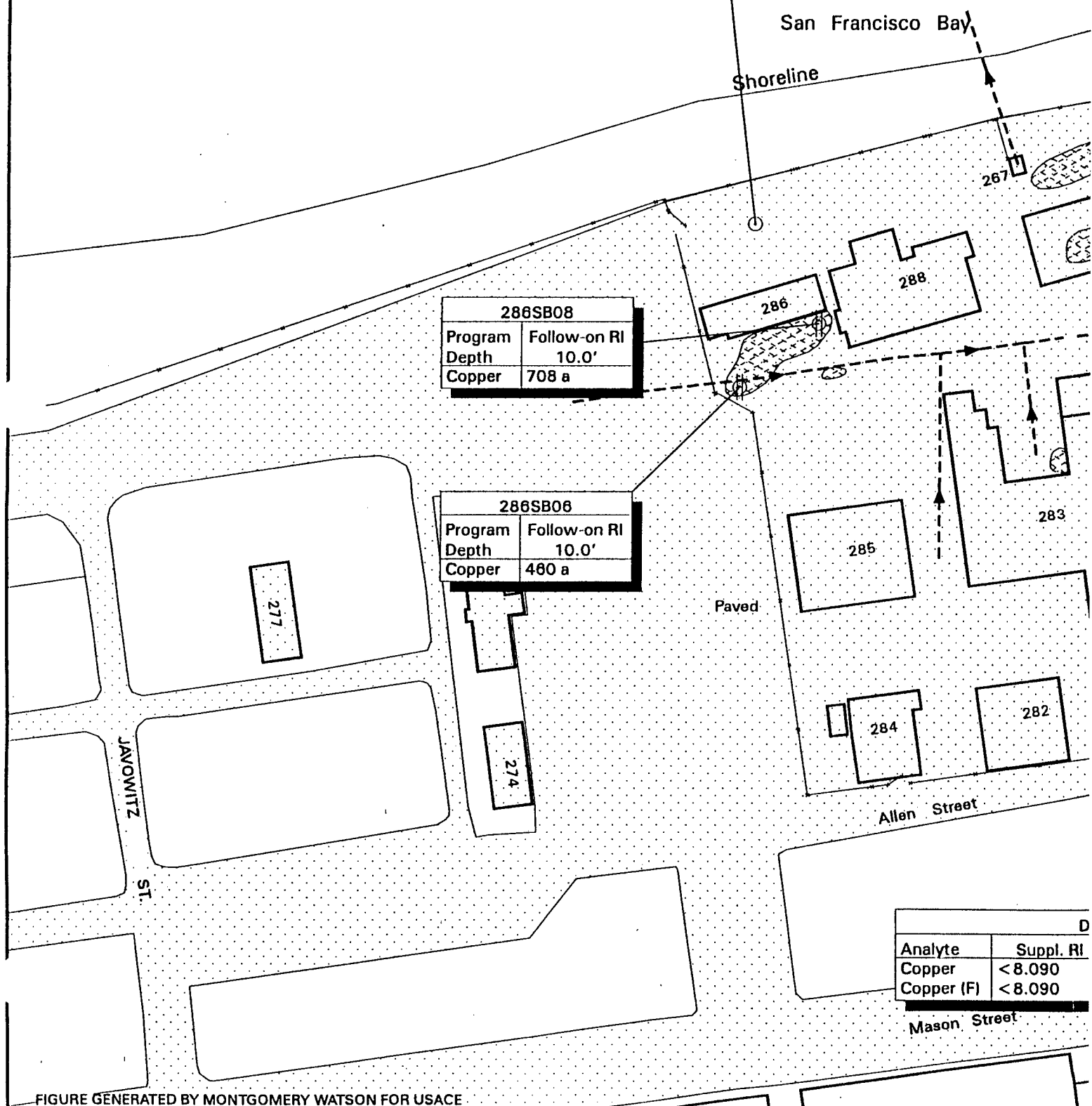
PSF26304

Date: January 1997

Figure 7.5-24

DEHGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	9.790	9.83 f	8.5
Copper (F)	< 8.090	9.21	< 3.7 U4

Analyte	Suppl. RI
Copper	< 8.090
Copper (F)	< 8.090



286SB08	
Program	Follow-on RI
Depth	10.0'
Copper	708 a

286SB06	
Program	Follow-on RI
Depth	10.0'
Copper	460 a

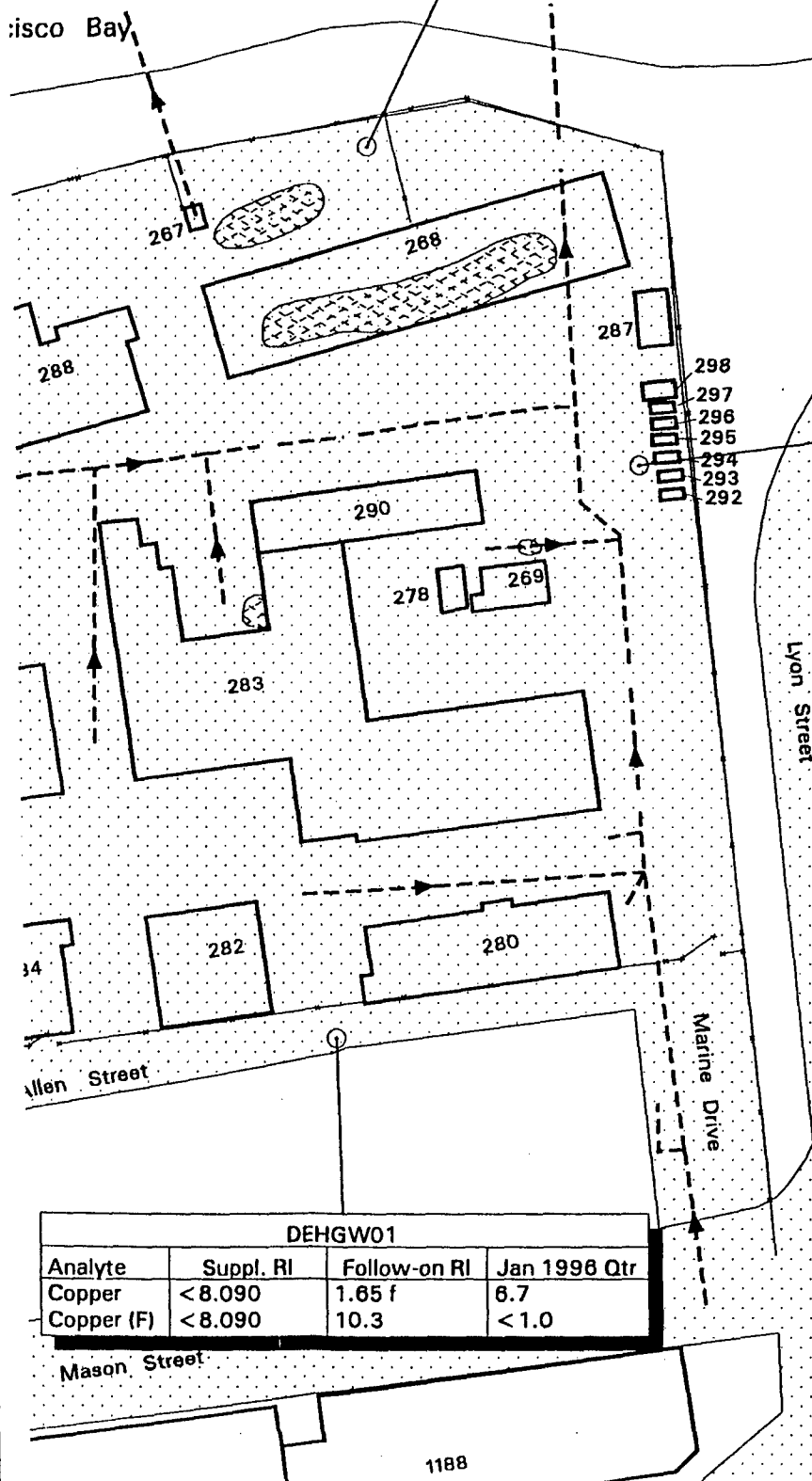
Analyte	Suppl. RI
Copper	< 8.090
Copper (F)	< 8.090

DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	21.2 f	7.3
Copper (F)	< 8.090	10.4	2.2

996 Qtr

U4

San Francisco Bay



DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	2.04 f	5.2
Copper (F)	< 8.090	4.50	2.9

2

EXPLANATION

○ MONITORING WELL W/ SAMPLES

⊕ SOIL BORING WITH DISC GROUNDWATER SAMP

---> STORM DRAIN WITH FLOW

▨ SURFACES COVERED BY PAVEMENT OR BUILDING

▩ STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS RI
2. DATA FOOTNOTE AND LIMITS ARE INCLUDED AT THE END OF SECTION.
3. (F) INDICATES FILTERED SAMPLES
4. NA = NOT ANALYZED

DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	< 8.090	1.65 f	6.7
Copper (F)	< 8.090	10.3	< 1.0

Mason Street

1188



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CONCENTRATIONS OF COPPER IN GROUNDWATER**

PSF26306

Date: January 1997

Fig

EXPLANATION

-  MONITORING WELL WITH SOIL SAMPLES
 SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
 STORM DRAIN WITH FLOW DIRECTION
 SURFACES COVERED BY PAVEMENT OR BUILDINGS
 STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

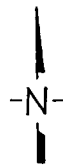
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

DEHGW02

nalyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
opper	NA	2.04 f	5.2
opper (F)	< 8.090	4.50	2.9



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CONCENTRATIONS OF COPPER IN GROUNDWATER**

PSF26306

Date: January 1997

Figure 7.5-25

286SB15			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	10.5'	20.0'	30.0'
Lead	590	28	8
Lead (F)	< 5	< 5	NA

DEHGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	15.0	< 1.0
Lead (F)	7.380	< 0.735	< 1.0

Anal
Lead
Lead

286SB13				
Program	Follow-on RI	Follow-on RI	Follow-on RI	Follow-on RI
Depth	11.0'	20.0'	30.0'	40.0'
Lead	170	< 5	11	< 5
Lead (F)	< 5	< 5	NA	NA

286SB11			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	9.5'	22.0'	31.5'
Lead	100	60	81

286SB03	
Program	Follow-on RI
Depth	9.5'
Lead	90

286SB14				
Program	Follow-on RI	Follow-on RI	Follow-on RI	Follow-on RI
Depth	10.0'	22.0'	30.0'	40.0'
Lead	< 5	10	< 5	21
Lead (F)	< 5	< 5	NA	NA

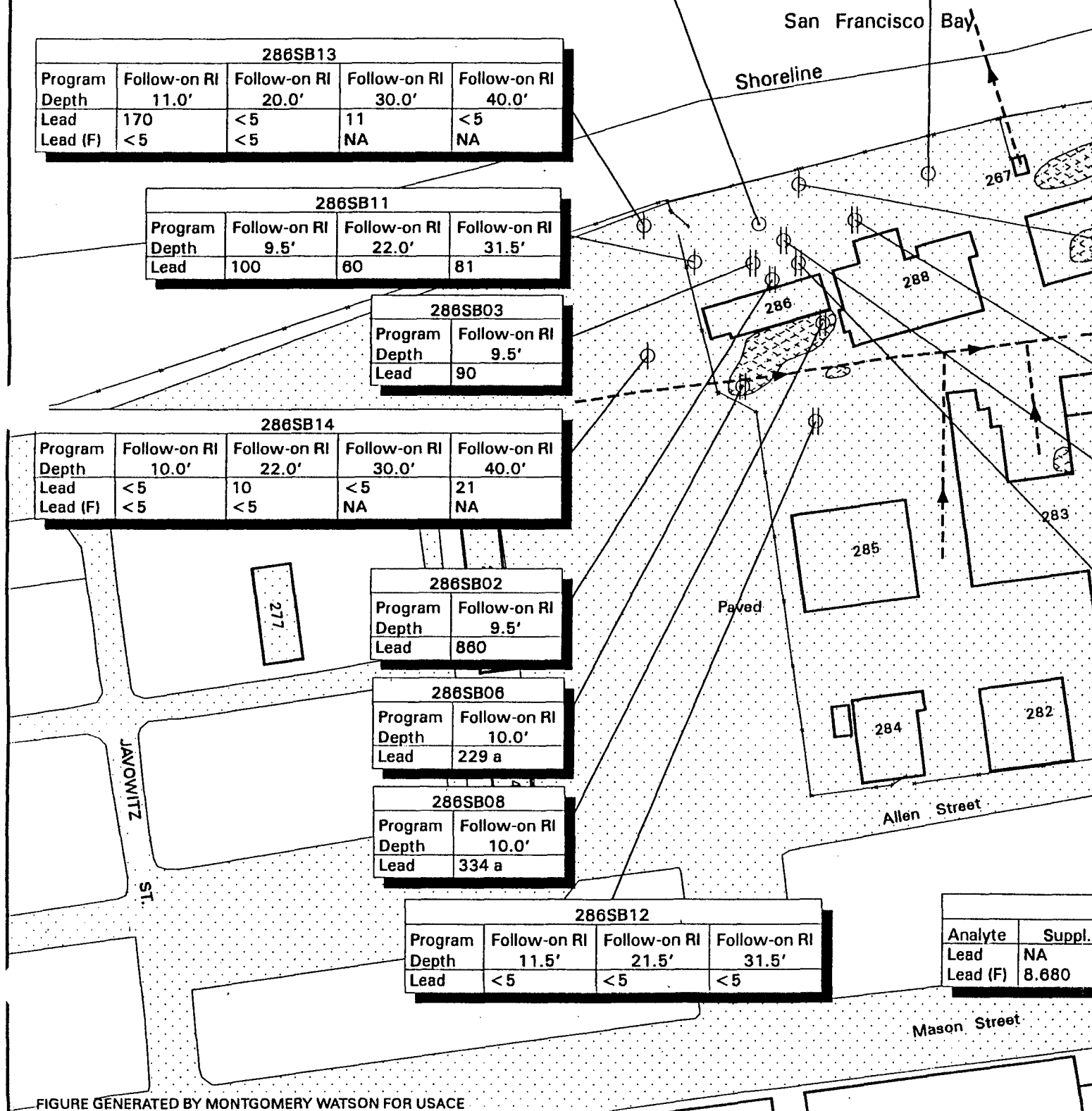
286SB02	
Program	Follow-on RI
Depth	9.5'
Lead	860

286SB06	
Program	Follow-on RI
Depth	10.0'
Lead	229 a

286SB08	
Program	Follow-on RI
Depth	10.0'
Lead	334 a

286SB12			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	11.5'	21.5'	31.5'
Lead	< 5	< 5	< 5

Analyte	Suppl.
Lead	NA
Lead (F)	8.680



Follow-on RI 30.0'	Follow-on RI 40.0'
A	<5 NA

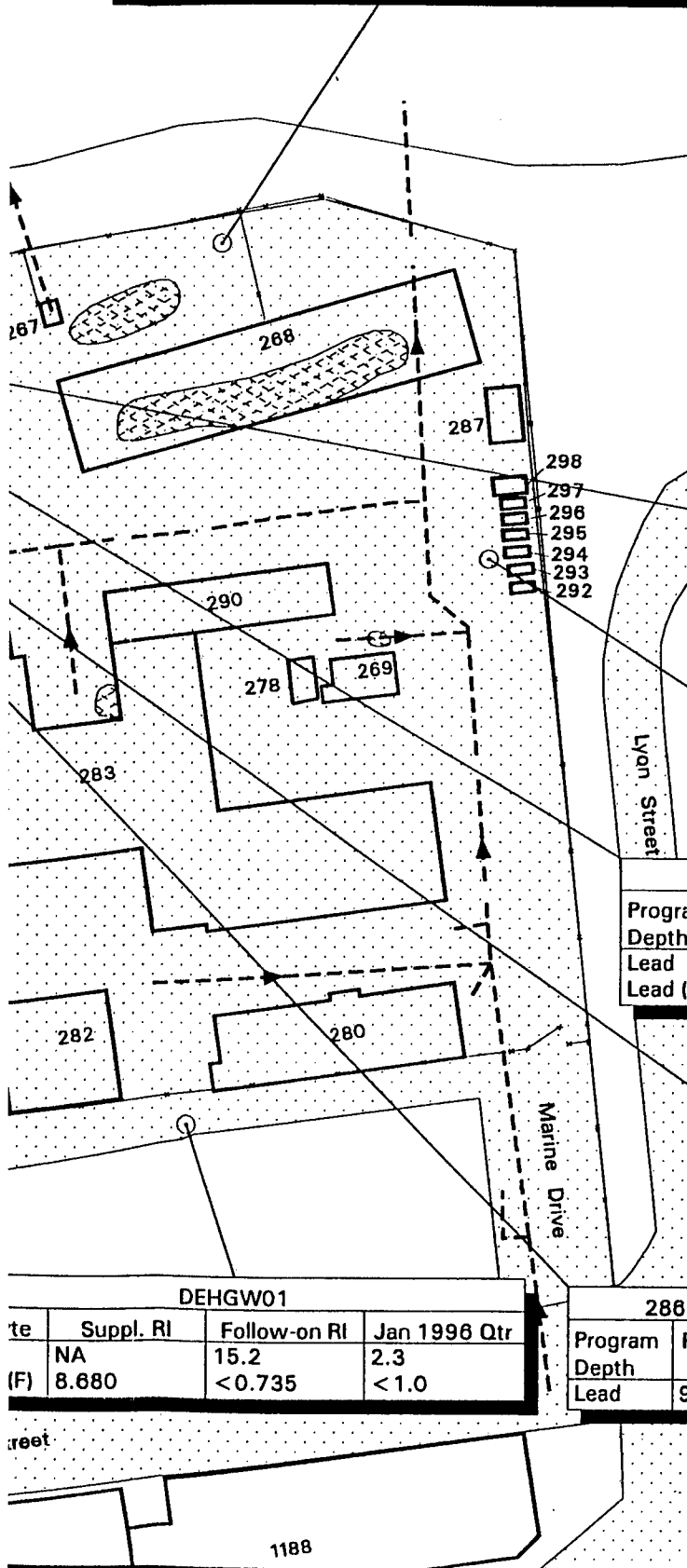
2

EXPLANATION

- ⊕ DISCRETE GROUNDWATER SAMPLE
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Pattern] STAINED AREAS

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURE SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	36.5	15
Lead (F)	1.630	<0.735	<1.0



286SB10			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	11.5'	21.5'	31.5'
Lead	37	17	17

DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	1.66 f	<1.0
Lead (F)	<1.260	<0.735	<1.0

286SB09			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	11.5'	21.5'	29.5'
Lead	55	82	10
Lead (F)	<5	NA	NA

286SB04	
Program	Follow-on RI
Depth	9.5'
Lead	1100

DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	15.2	2.3
Lead (F)	8.680	<0.735	<1.0

286SB01	
Program	Follow-on RI
Depth	9.0'
Lead	900



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CONCENTRATIONS OF LEAD IN GROUNDWATER







PSF26313

Date: January 1997

Figure 7.5-2

3

EXPLANATION

-  DISCRETE GROUNDWATER SAMPLE
-  MONITORING WELL WITH SOIL SAMPLES
-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

286SB10

im	Follow-on RI 11.5'	Follow-on RI 21.5'	Follow-on RI 31.5'
	37	17	17

DEHGW02

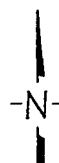
e	Suppl. RI	Follow-on RI	Jan 1998 Qtr
	NA	1.66 f	< 1.0
2)	< 1.260	< 0.735	< 1.0

286SB09

ow-on RI 11.5'	Follow-on RI 21.5'	Follow-on RI 29.5'
82	NA	10
NA		NA

286SB04

m	Follow-on RI 9.5'
	1100



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CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26313

Date: January 1997

Figure 7.5-26

DEHW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Zinc	24.100	25.0	< 20
Zinc (F)	< 21.100	4.00	< 20

Analyte
Zinc
Zinc (F)

286SB13			
Program Depth	Follow-on RI 11.0'	Follow-on RI 20.0'	Follow-on RI 30.0'
Zinc	2100	180 f	1000
Zinc (F)	< 20	< 20	NA

286SB14			
Program Depth	Follow-on RI 10.0'	Follow-on RI 22.0'	Follow-on RI 30.0'
Zinc	40	860	320
Zinc (F)	< 20	< 20	NA

286SB06	
Program Depth	Follow-on RI 10.0'
Zinc	1050

286SB08	
Program Depth	Follow-on RI 10.0'
Zinc	1050

286SB12			
Program Depth	Follow-on RI 11.0'	Follow-on RI 20.0'	Follow-on RI 30.0'
Zinc	1100	150 f	200 f
Zinc (F)	< 20	< 20	NA

Analyte	Suppl. RI
Zinc	< 21.100
Zinc (F)	< 21.100

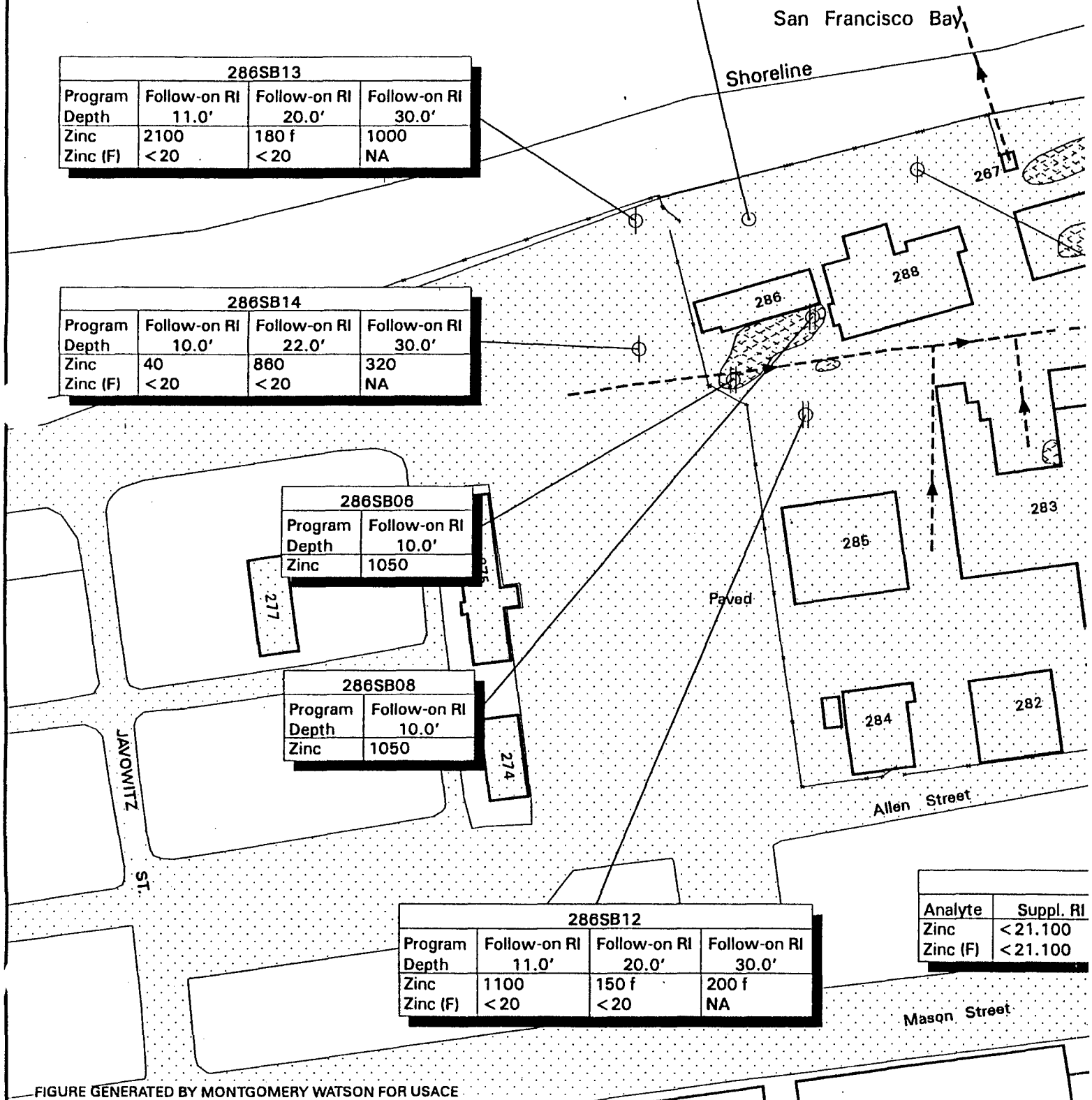


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

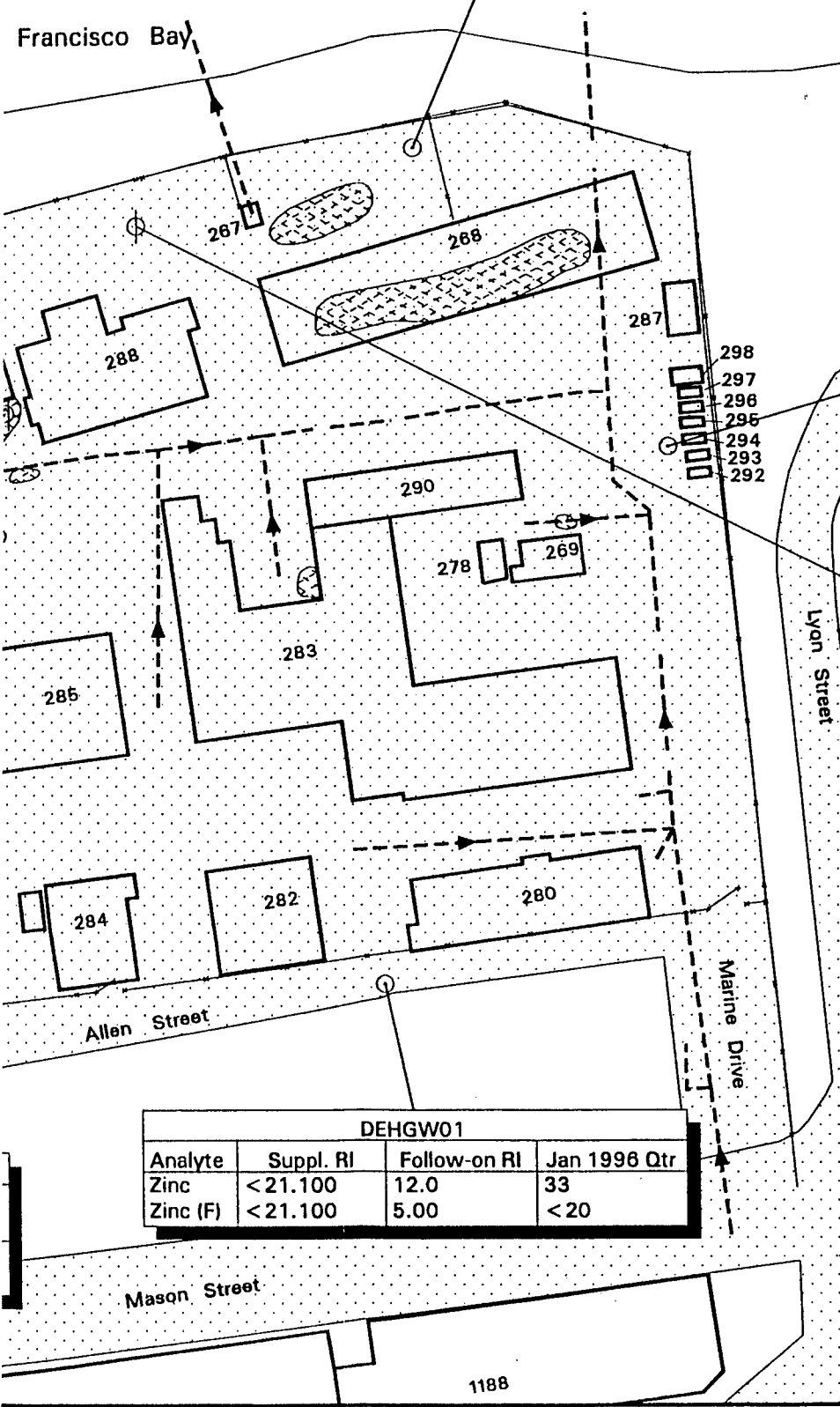
996 Qtr

DEHGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Zinc	NA	159	100
Zinc (F)	< 21.100	6.00	< 20

- EXPLANATION**
- DISCRETE GROUNDWATER MONITORING WELL SAMPLE
 - SOIL BORING WITH GROUNDWATER
 - STORM DRAIN VALVE
 - SURFACES COVERED WITH PAVEMENT OR EARTH
 - STAINED AREAS

- NOTES:**
1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L).
 2. DATA FOOTNOTE A ARE INCLUDED AT THE END OF THIS SECTION.
 3. (F) INDICATES FILTERED.
 4. NA = NOT ANALYZED.

Francisco Bay



DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Zinc	NA	33.0	27
Zinc (F)	< 21.100	4.00	< 20

286SB15			
Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30'
Zinc	1400	1700	< 20
Zinc (F)	< 20	< 20	NA

DEHGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Zinc	< 21.100	12.0	33
Zinc (F)	< 21.100	5.00	< 20



DIRECTORATE OF
AND HOUSING
CONCENTRATIONS OF

PSF26316

Date: January 1997

EXPLANATION

DISCRETE GROUNDWATER SAMPLE



MONITORING WELL WITH SOIL SAMPLES



SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY PAVEMENT OR BUILDINGS



STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

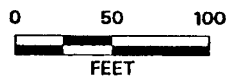
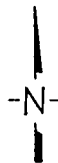
4. NA = NOT ANALYZED

DEHW02

Analyte	Suppl. RI	Follow-on RI	Jan 1998 Qtr
nc	NA	33.0	27
nc (F)	<21.100	4.00	<20

288SB15

Program Depth	Follow-on RI 10.5'	Follow-on RI 20.0'	Follow-on RI 30.0'
Zinc	1400	1700	<20
Zinc (F)	<20	<20	NA

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CONCENTRATIONS OF ZINC IN GROUNDWATER**

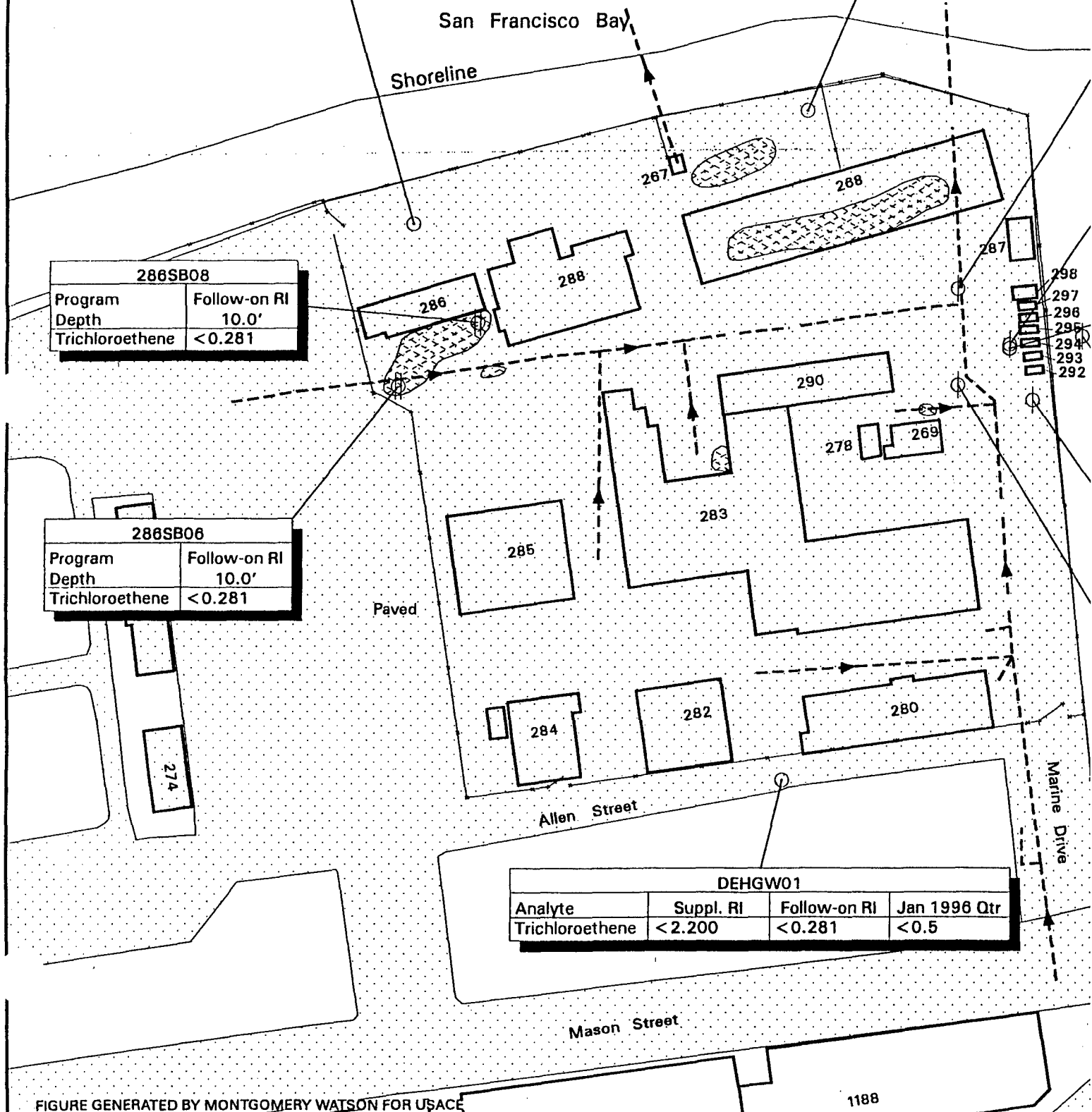
PSF26316

Date: January 1997

Figure 7.5-27

DEHW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	< 2.200	< 0.281	< 0.5

DEHW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	< 2.200	< 0.281	< 0.5



Follow-on RI	Jan 1996 Qtr
31	< 0.5

DEHSB03			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	9.0'	20.0'	30.0'
Trichloroethene	< 0.5	< 0.5	< 0.5

DEHSB07			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	9.0'	20.0'	30.0'
Trichloroethene	5.8	0.7	< 0.5

DEHGW02			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Trichloroethene	14.000	6.21	11







DEHSB06			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	11.5'	20.0'	30.0'
Trichloroethene	< 0.5	< 0.5	< 0.5

DEHSB05			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	9.0'	20.0'	30.0'
Trichloroethene	4	< 0.5	< 0.5

DEHSB04			
Program	Follow-on RI	Follow-on RI	Follow-on RI
Depth	9.0'	20.0'	30.0'
Trichloroethene	< 0.5	1.7	< 0.5

2

EXPLANATION

-  DISCRETE GROUNDWATER SAMPLE
-  MONITORING WELL WITH SOIL SAMPLES
-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

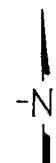
- NOTES: 1. ALL CONCENTRATIONS REPORTED AS
2. DATA FOOTNOTE AND LITHOLOGY KEY ARE INCLUDED AT THE END OF THIS FIGURE SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

287
298
297
296
295
294
293
292

Lyon Street

Marine Drive

Qtr



0 50 100
FEET



DAMES & MOORE







DIRECTORATE OF ENGINEERING
AND HOUSING STUDY AREA
CONCENTRATIONS OF TRICHLOROETHENE IN GROUNDWATER

PSF26323

Date: January 1997

Figure 7.5-2

EXPLANATION

-  DISCRETE GROUNDWATER SAMPLE
 MONITORING WELL WITH SOIL SAMPLES
 SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
 STORM DRAIN WITH FLOW DIRECTION
 SURFACES COVERED BY PAVEMENT OR BUILDINGS
 STAINED AREAS

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

Follow-on RI
30.0'
<0.5

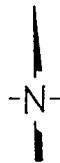
Follow-on RI
30.0'
<0.5

RI Jan 1996 Qtr
11

Follow-on RI
30.0'
<0.5

Follow-on RI
30.0'
<0.5

Follow-on RI
30.0'
<0.5



0 50 100
FEET



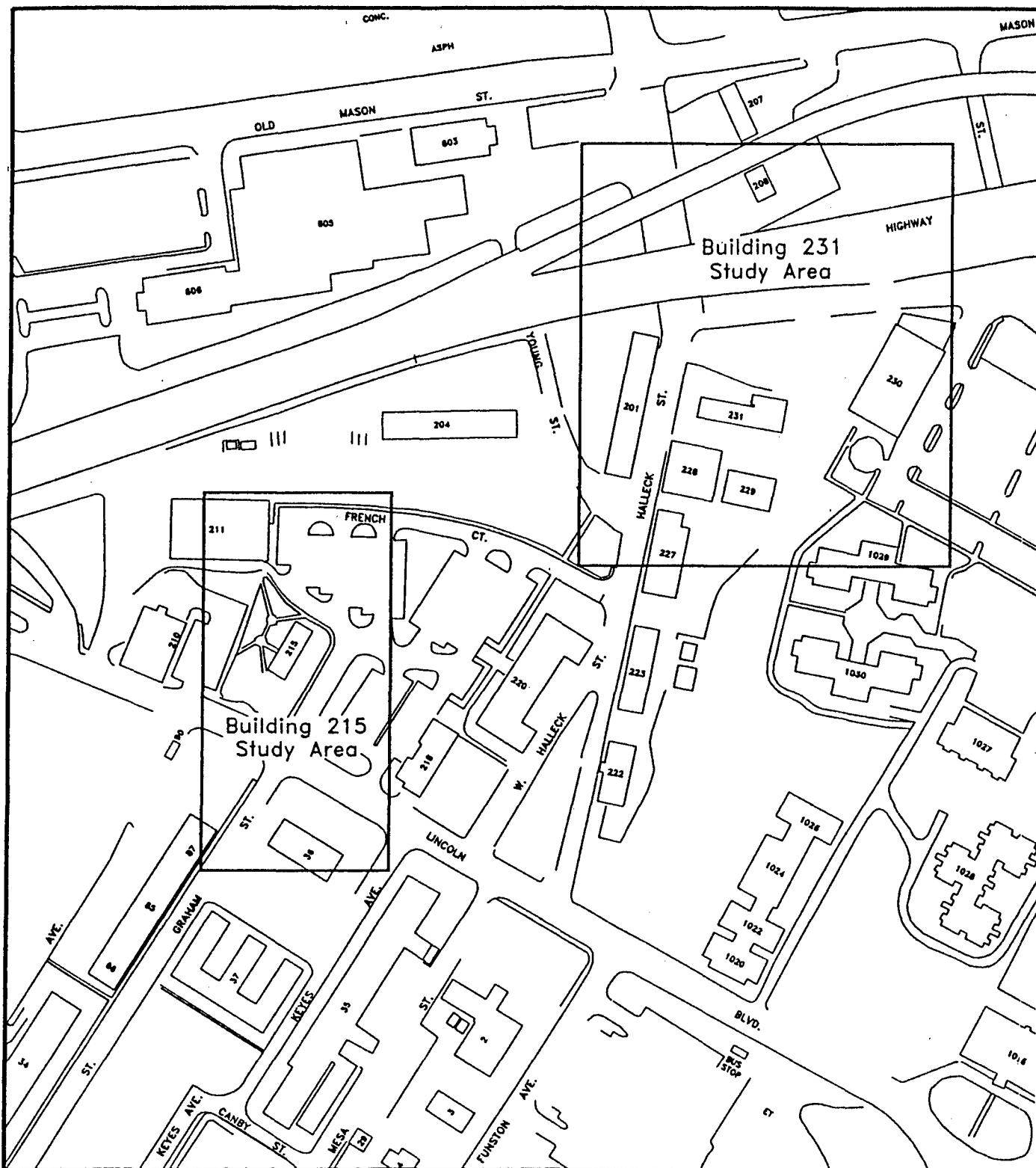
DAMES & MOORE

DIRECTORATE OF ENGINEERING
 AND HOUSING STUDY AREA
 CONCENTRATIONS OF TRICHLOROETHENE IN GROUNDWATER

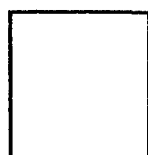
PSF26323

Date: January 1997

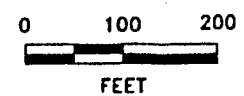
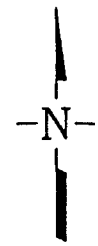
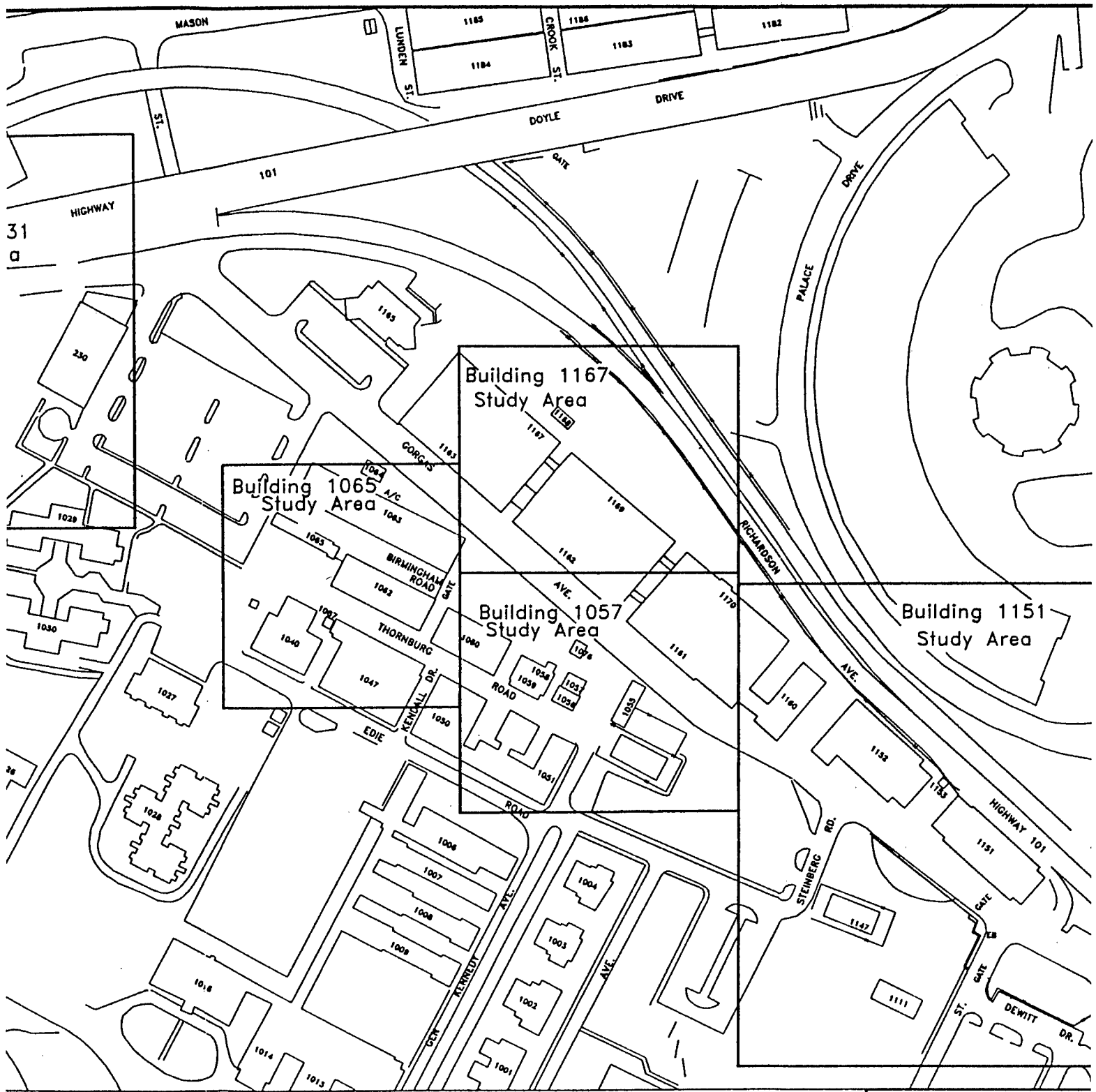
Figure 7.5-28



EXPLANATION



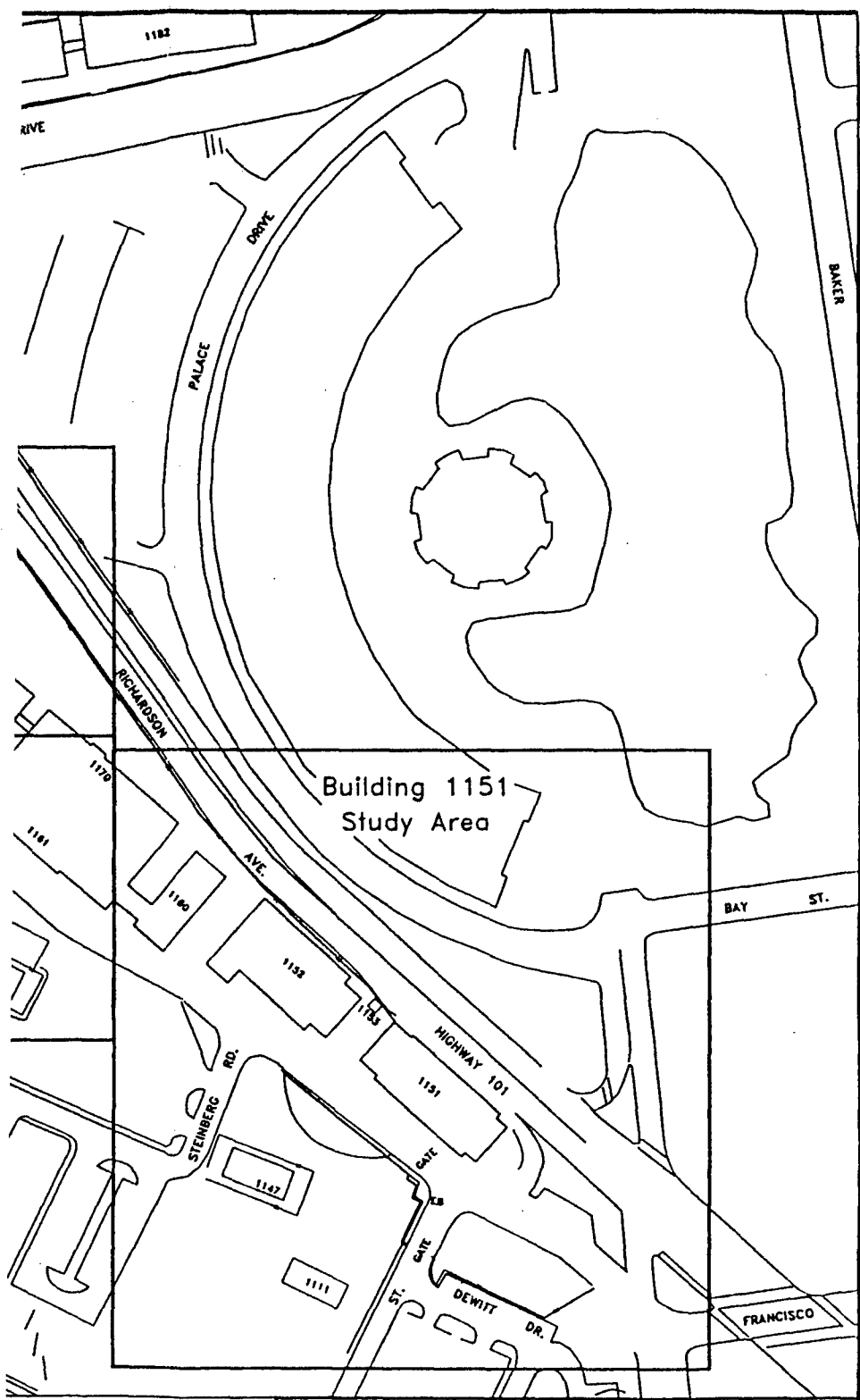
Study Area
Boundary

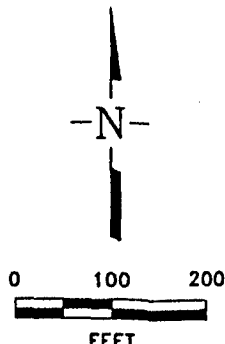



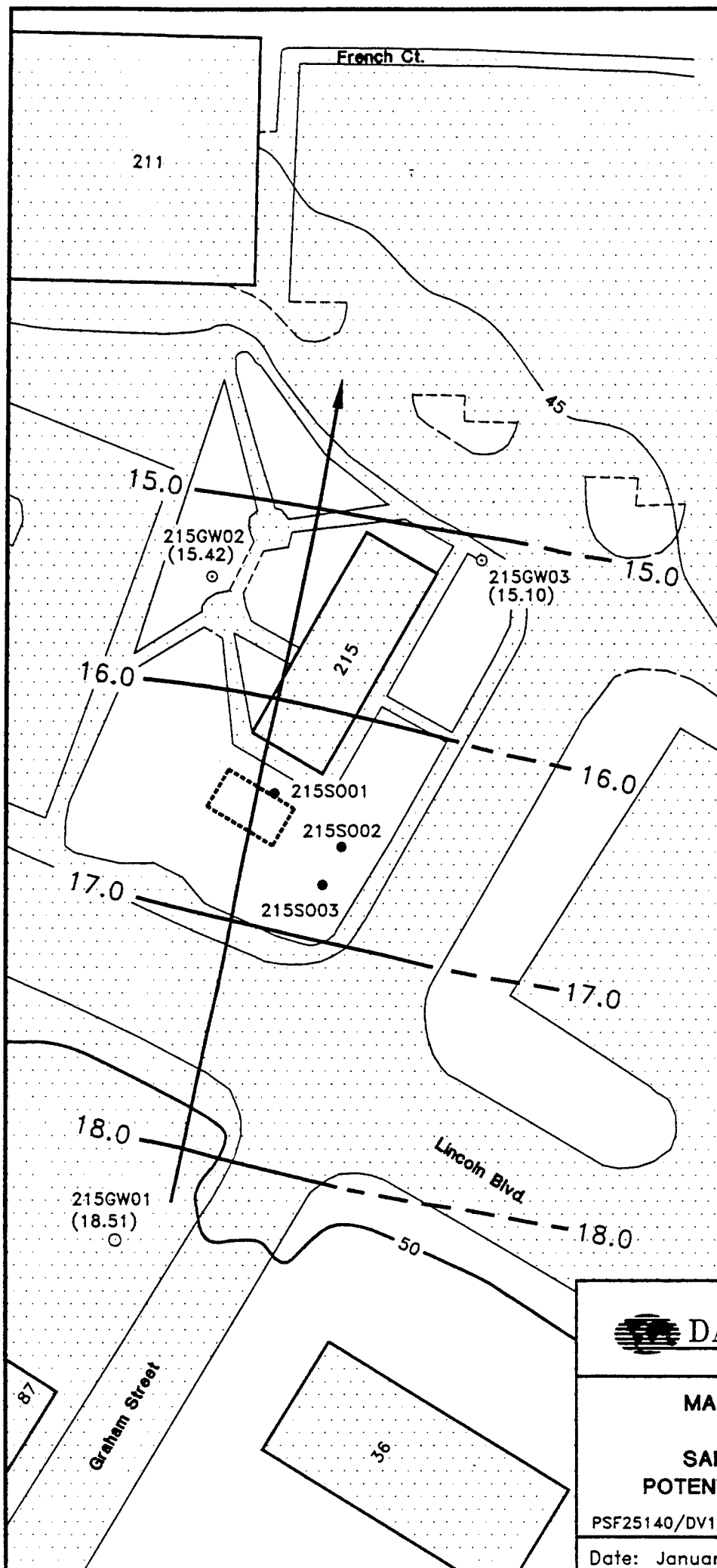
MAIN POST S

PSF25015/DV1

Date: January 1997



	 DAMES & MOORE	
	MAIN POST STUDY AREAS	
	PSF25015/DV1	Date: January 1997
	Figure 8.0-1	



EXPLANATION

- SOIL BORING
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

(18.51) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)

16.0 EQUIPOTENTIAL CONTOUR, DASHED WHERE INFERRED CONTOUR INTERVAL 1.0 FT.

↑ GROUNDWATER FLOW DIRECTION

⌈⌋ APPROXIMATE LOCATION OF FORMER USTs

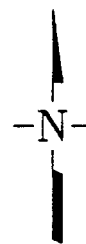
▭ SURFACES COVERED BY PAVEMENT OR BUILDINGS

50 TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 5 FEET

ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER (FT-PLL)

WATER LEVELS TAKEN 1642-1646 PST

LOWER LOW TIDE 1649 PST 0.2 FT-PLL



0 25 50
FEET

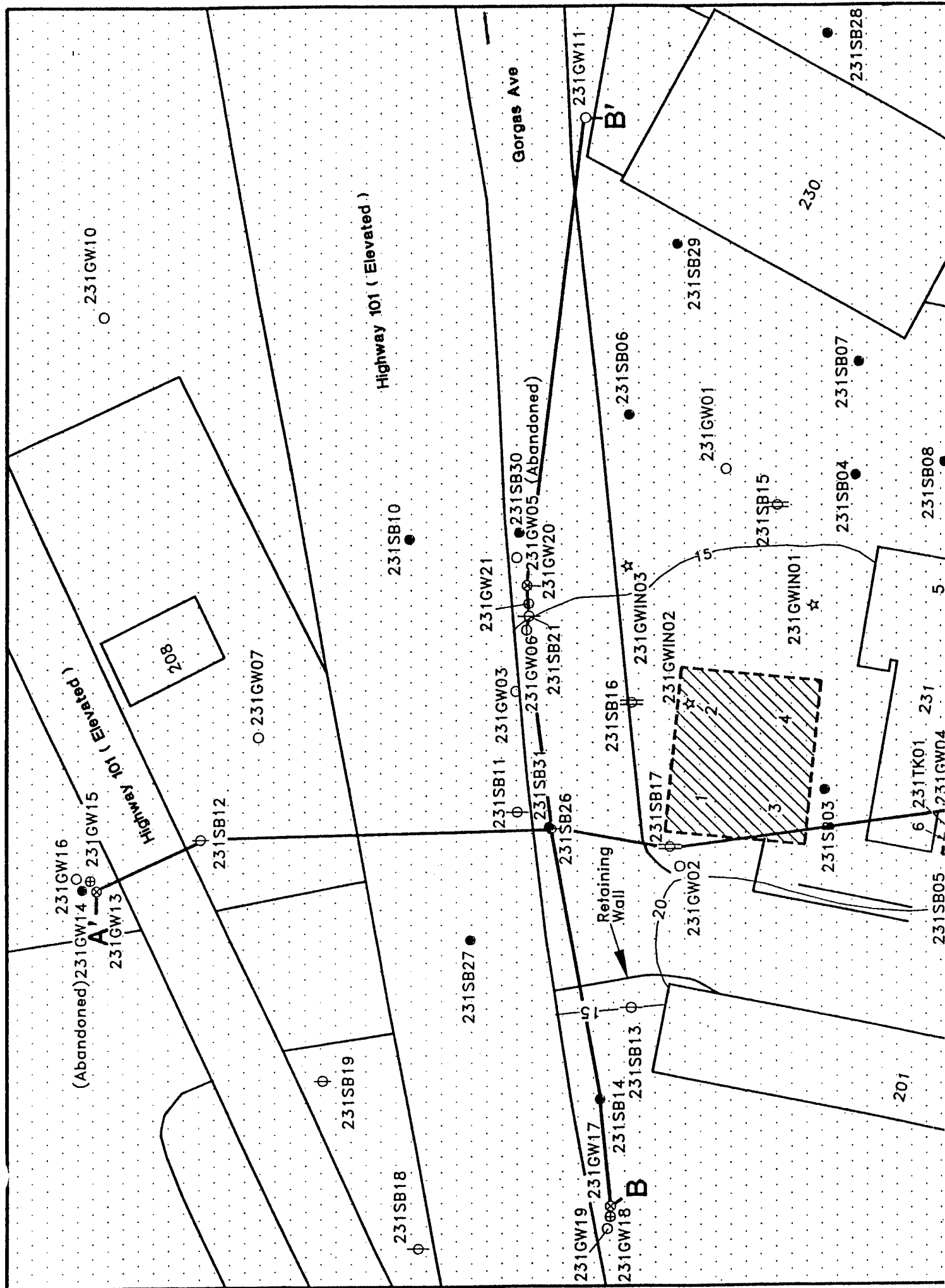
DAMES & MOORE

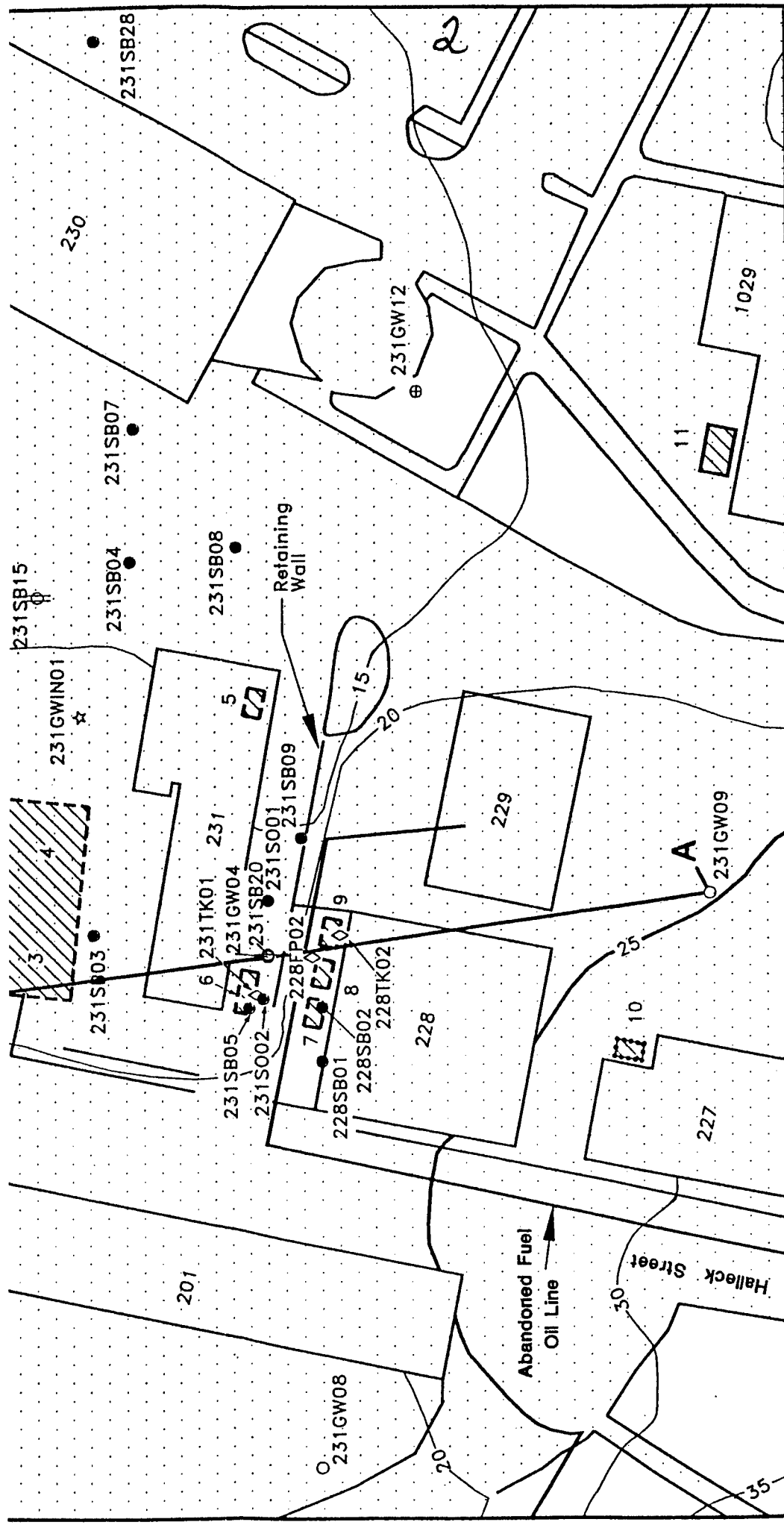
MAIN POST STUDY AREA
BUILDING 215
SAMPLE LOCATIONS AND
POTENTIOMETRIC SURFACE MAP

PSF25140/DV1

Date: January 1997

Figure 8.1-1



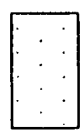


EXPLANATION

- SOIL BORING
- ★ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊙ DISCRETE GROUNDWATER SAMPLE
- SHALLOW MONITORING WELL¹
- ⊗ INTERMEDIATE MONITORING WELL²
- ⊕ INTERMEDIATE MONITORING WELL WITH SOIL BORING²
- ⊕ DEEP MONITORING WELL³

A A'

25



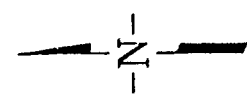
CROSS-SECTION LINE

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

SURFACES COVERED BY
PAVEMENT OR BUILDINGS

ELEVATIONS IN
FEET-PRESIDIO LOWER LOW WATER

NOTE : (1) SHALLOW WELLS ARE SCREENED
WITHIN THE UPPERMOST



EXPLANATION

- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊖ DISCRETE GROUNDWATER SAMPLE
- SHALLOW MONITORING WELL¹
- ⊕ INTERMEDIATE MONITORING WELL²
- ⊖ INTERMEDIATE MONITORING WELL WITH SOIL BORING²
- ⊗ DEEP MONITORING WELL³
- ☆ INJECTION WELL
- ◇ PRODUCT SAMPLE
- ▨ UNSUBSTANTIATED TANK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS.
- ▧ FORMER TANK LOCATIONS, SEE TABLE 8.2-1 FOR TANK NUMBERS.

A A'

CROSS-SECTION LINE

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

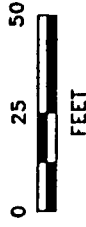
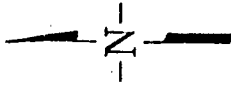
SURFACES COVERED BY
PAVEMENT OR BUILDINGS


ELEVATIONS IN
FEET-PRESIDIO LOWER LOW WATER

NOTE : (1) SHALLOW WELLS ARE SCREENED
WITHIN THE UPPERMOST
UNCONFINED UNIT

(2) INTERMEDIATE WELLS ARE
SCREENED WITHIN THE UPPERMOST
CONFINED/SEMI-CONFINED UNIT

(3) DEEP WELLS ARE SCREENED
WITHIN THE (DEEPER)
CONFINED/SEMI-CONFINED UNIT



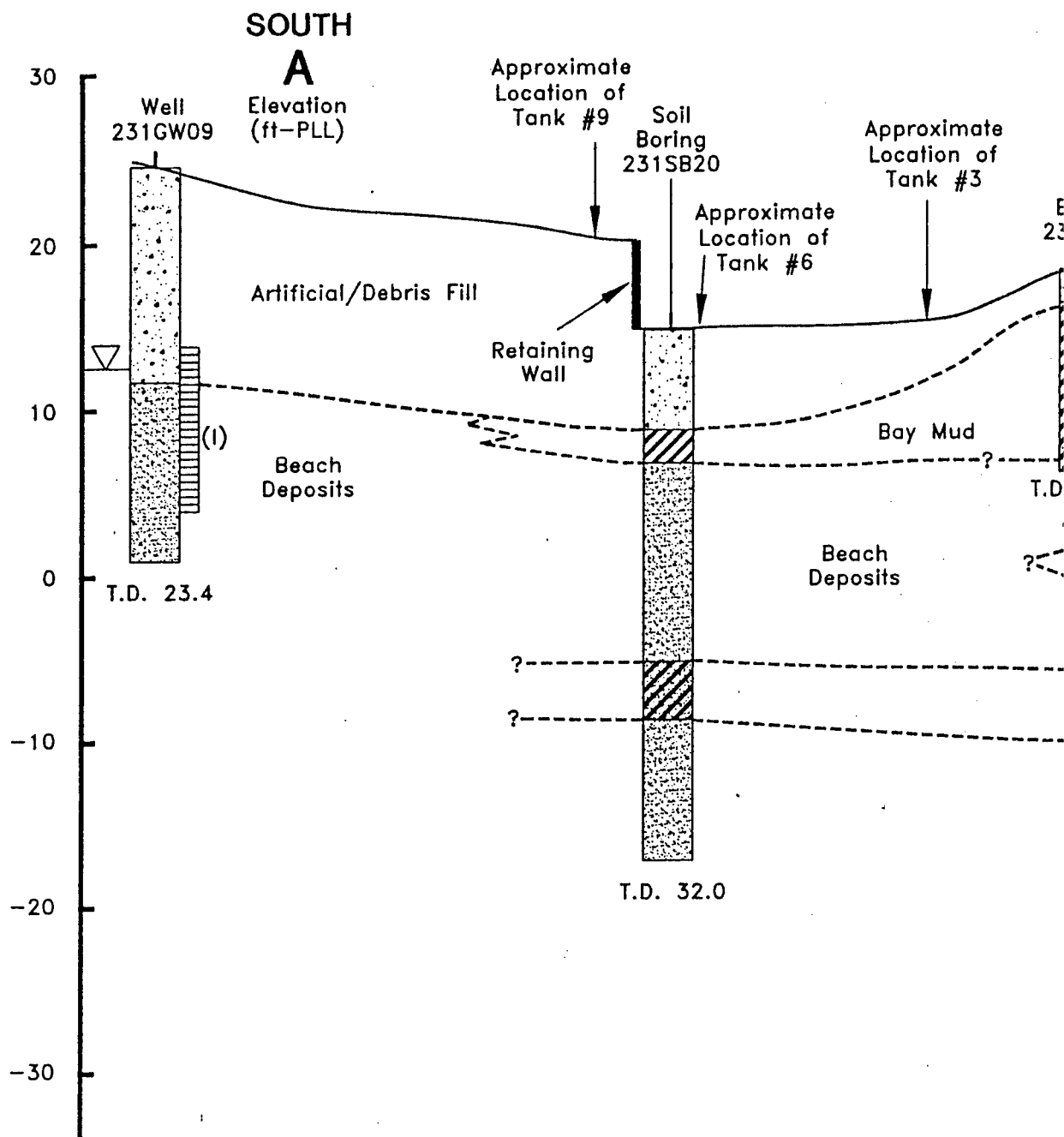
 **DAMES & MOORE**

MAIN POST STUDY AREA
BUILDING 231,
SAMPLE, CROSS SECTION
& TANK LOCATIONS

PSF25010/DV1

Date: January 1997

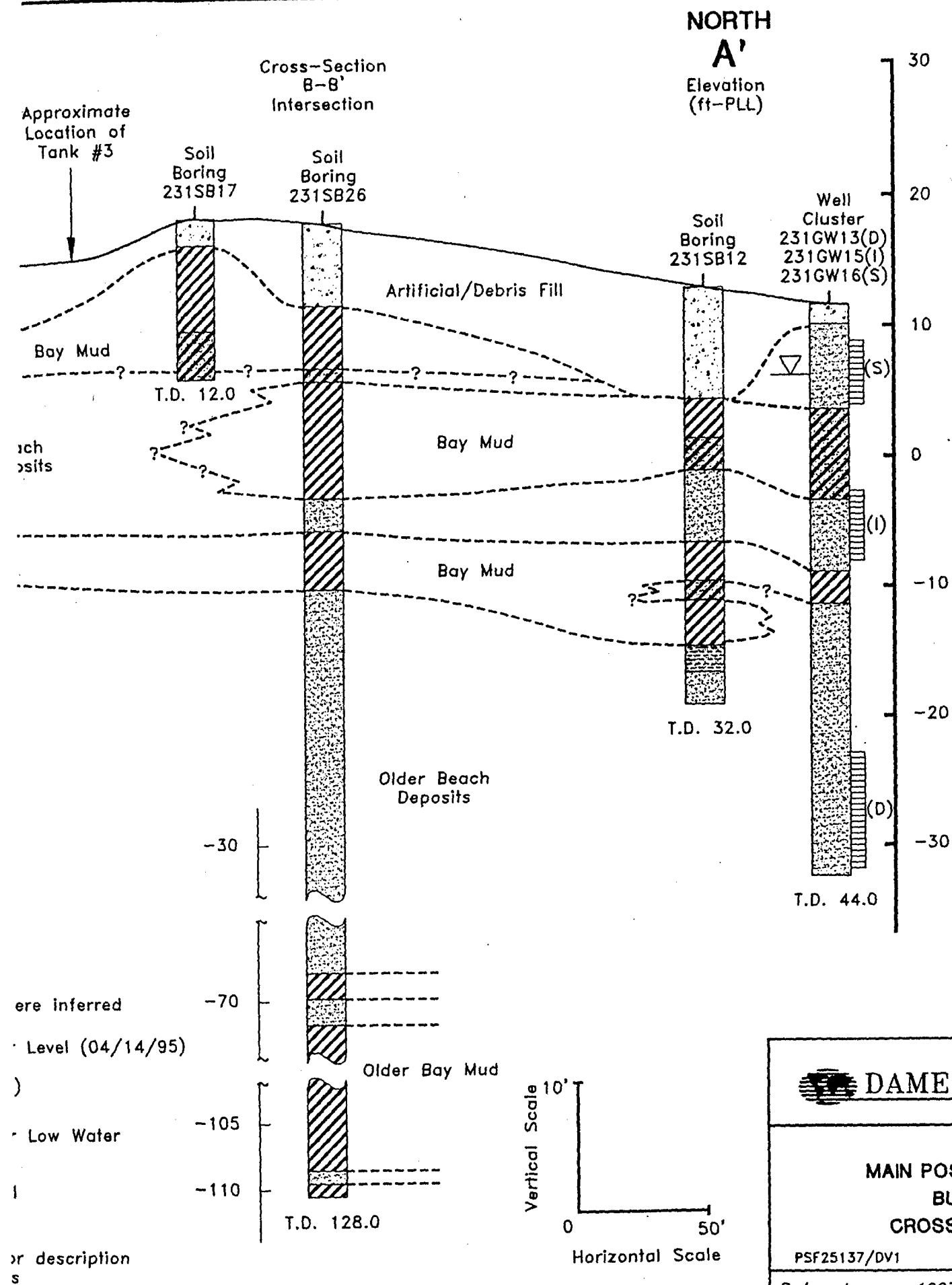
Figure 8.2-1



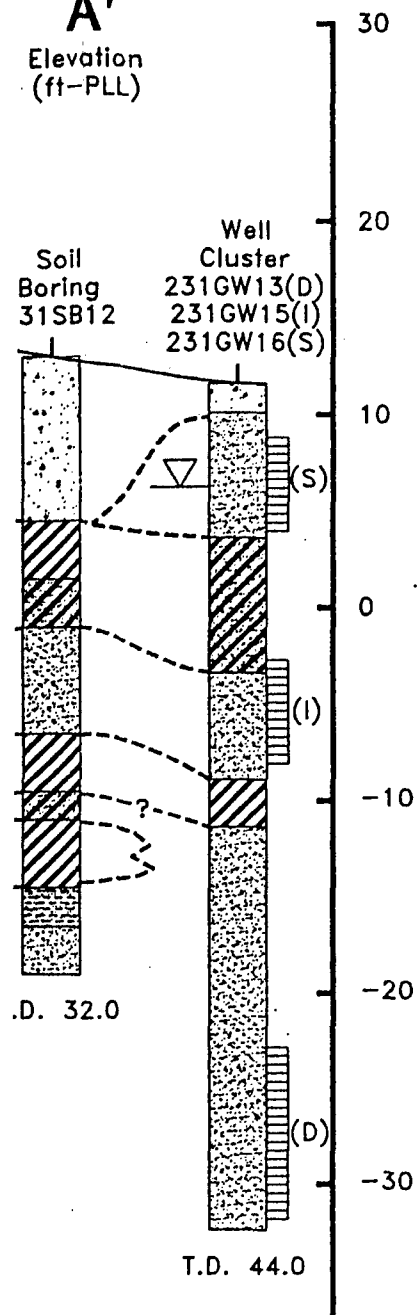
EXPLANATION


	Artificial/Debris Fill		Contact, dashed where inferred
	Clay		Shallow Zone Water Level (04/14/95)
	Silt	T.D.	Total Depth (ft bgs)
	Sand	ft-PLL	feet-Presidio Lower Low Water
(S)	Shallow Well		Well Screen Interval
(I)	Intermediate Well		
(D)	Deep Well		

See Table 8.2-1 for description and status of tanks



NORTH
A'
Elevation
(ft-PLL)



 **DAMES & MOORE**

MAIN POST STUDY AREA
BUILDING 231
CROSS-SECTION A-A'

PSF25137/DV1

Date: January 1997

Figure 8.2-2

50'
Scale

WEST B

Elevation
(ft-PLL)

20

Well
Cluster 1
231GW17(D)
231GW18(I)
231GW19(S)

Boring
231SB14

Retaining
Wall

Cross-Section
A-A'
Intersection

Boring
231SB26

Well
Cluster
231GW20
231GW06
231GW21

10

0

-10

-20

-30

T.D. 35.0

T.D. 30.5

Beach Deposits

Bay Mud

Beach Deposits

Beach Deposits

Elevation
(ft-PLL)

-30

-70

-105

-110

T.D. 128.0

T.D. 40.0

- 1 Lithologic log of well 231GW17 was used for cross-section.
- 2 Lithologic logs of well 231GW20 (18.0-40.5 ft.) and adjacent boring 231SB21 (0.0-18.0 ft.) used for cross-section.



Artificial/Debris



Clay



Silt

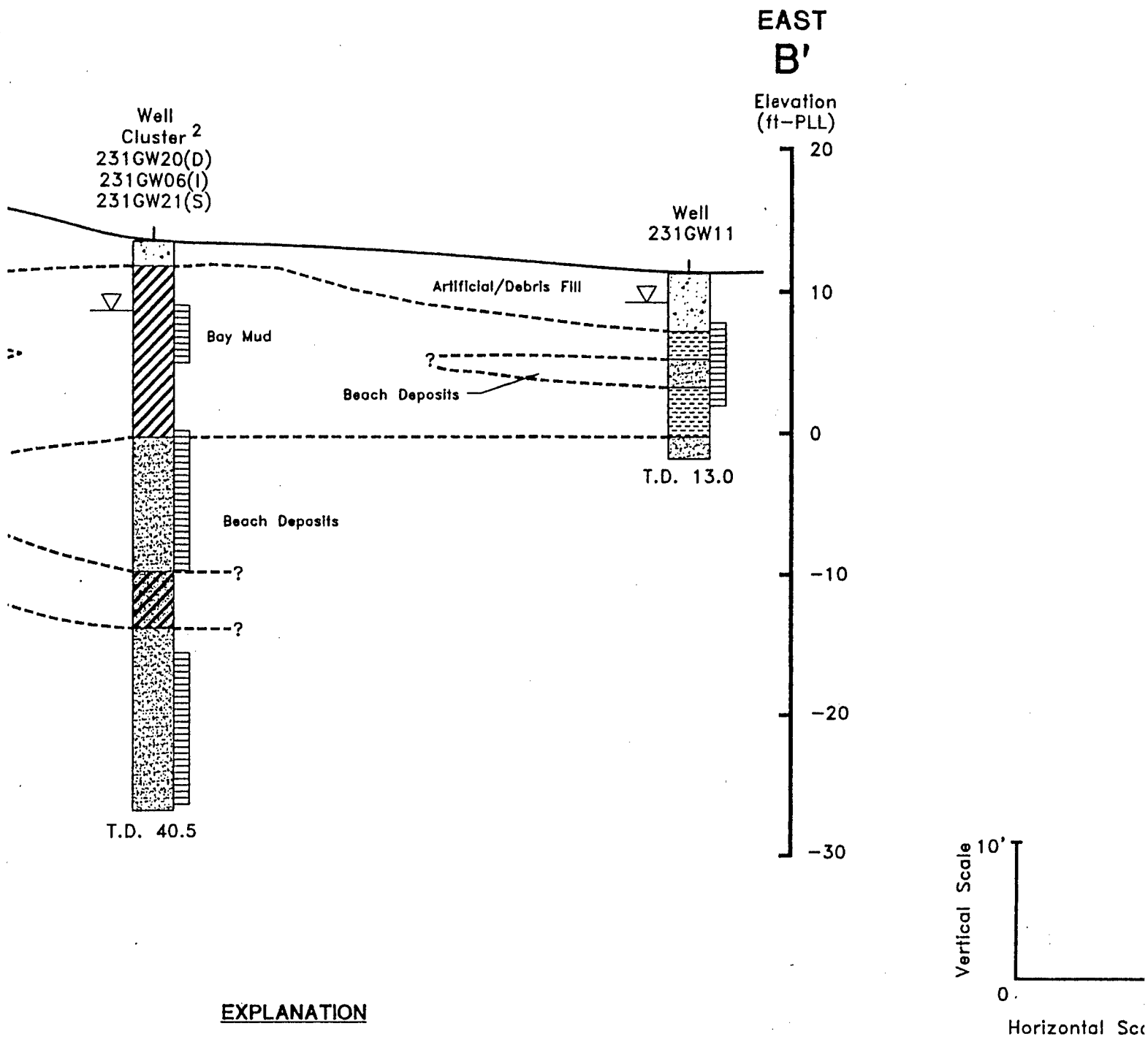


Sand

(S) Shallow Well

(I) Intermediate Well

(D) Deep Well



EXPLANATION

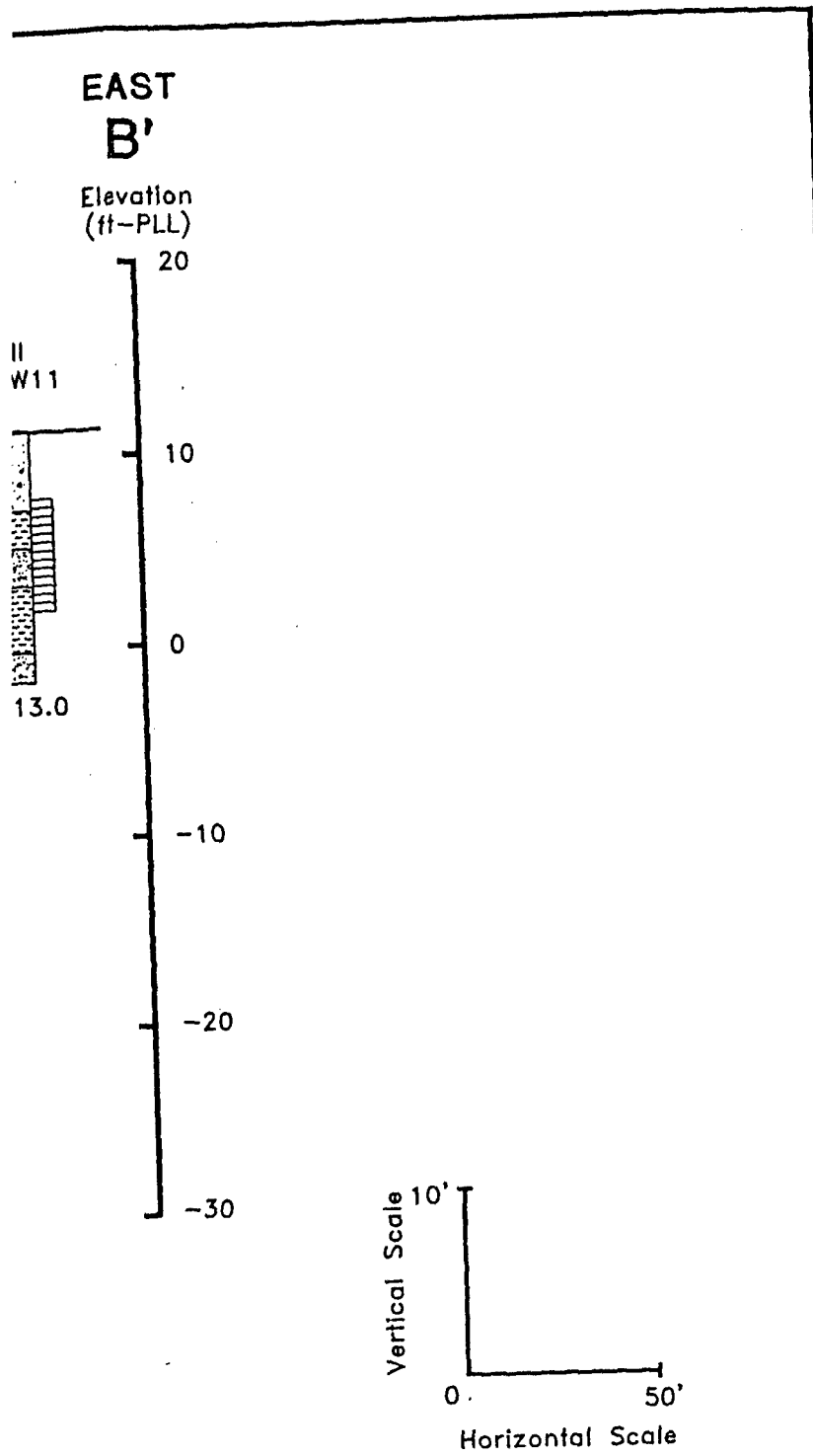
Artificial/Debris Fill	-----	Contact, dashed where inferred
Clay	▽	Shallow Zone Water Level (04/14/95)
Silt	T.D.	Total Depth (ft bgs)
Sand	ft-PLL	feet-Presidio Lower Low Water
Shallow Well	(a)	Approximate location & elevation
Intermediate Well		Well Screen Interval
Deep Well		

DAMES & MOORE

**MAIN POST STUDY A
BUILDING 231
CROSS-SECTION B**

PSF25134/DV1

Date: January 1997 Figure




ferred

al (04/14/95)

r Water

elevation

 **DAMES & MOORE**

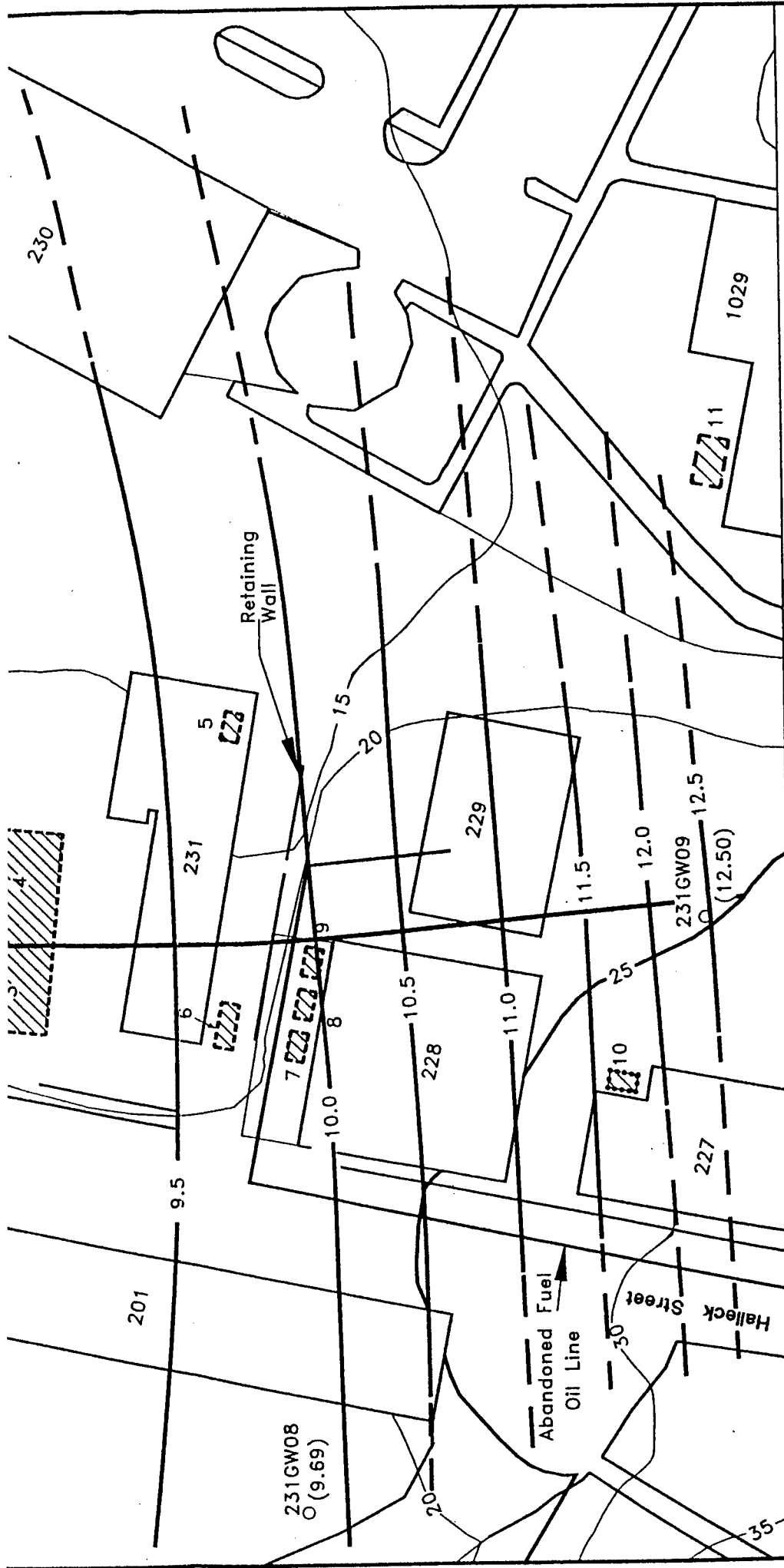
**MAIN POST STUDY AREA
BUILDING 231
CROSS-SECTION B-B'**

PSF25134/DV1

Date: January 1997

Figure 8.2-3





EXPLANATION

○ SHALLOW MONITORING WELL

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(6.13) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

ELEVATIONS IN
FEET-PRESIDIO LOWER LOW WATER (FT-PLL)

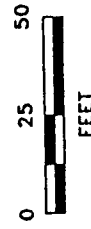
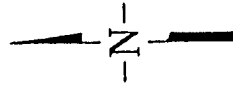
EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.5 FEET

WATER LEVELS TAKEN 0925-1100 PST
LOWER-HIGH TIDE 1051 PST
5.0 FT-PLL

GROUNDWATER FLOW DIRECTION



DAMES & MOORE



EXPLANATION

○ SHALLOW MONITORING WELL

—25—

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(6.13) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)


EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.5 FEET

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

NOTE : SHALLOW WELLS ARE SCREENED
WITHIN THE UPPERMOST
UNCONFINED UNIT

UNSUBSTANTIATED TNAK LOCATIONS,
SEE TABLE 8.2-1 FOR TANK NUMBERS

FORMER TANK LOCATIONS, SEE TABLE 8.2-1
FOR TANK NUMBERS.

 DAMES & MOORE

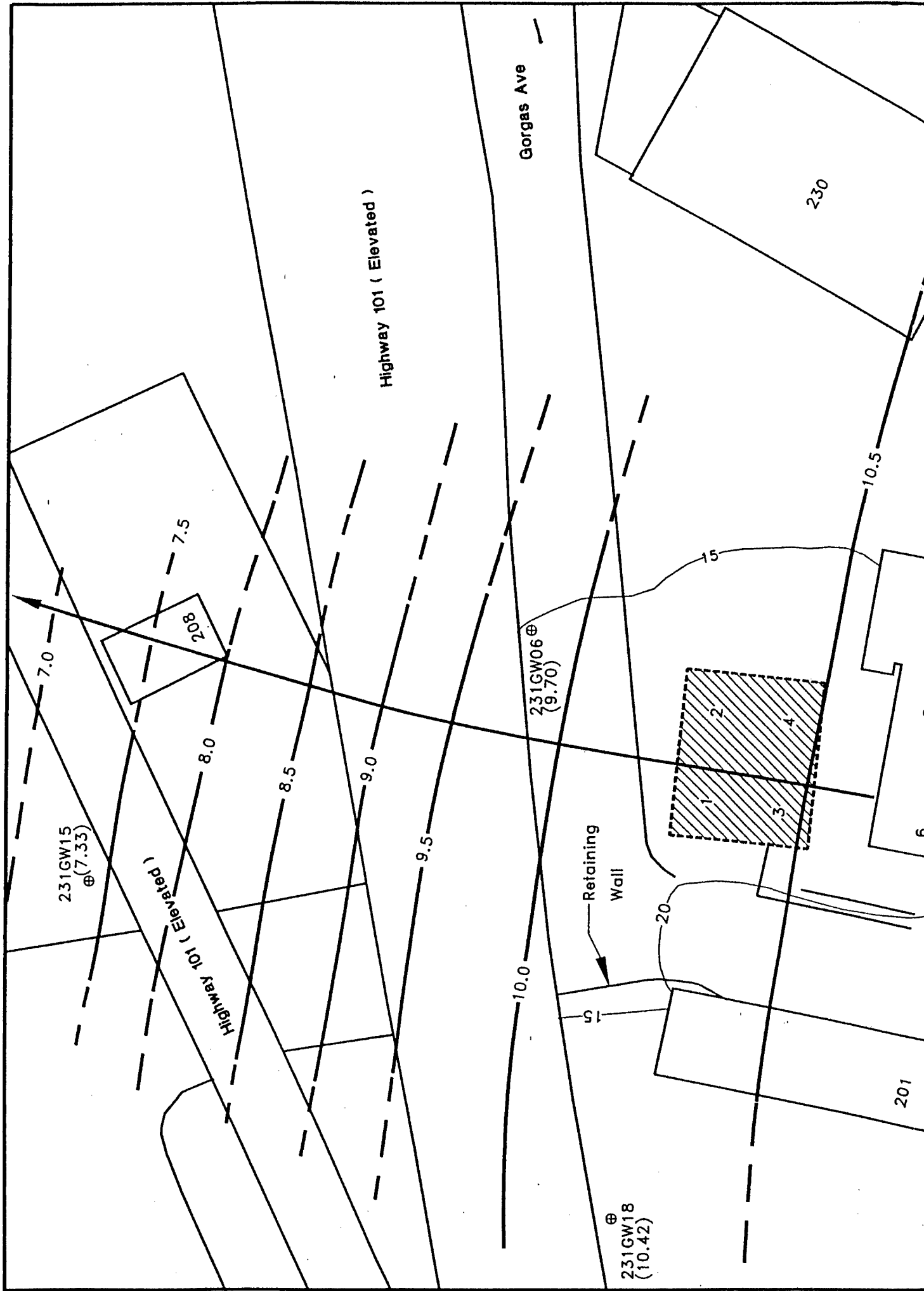
MAIN POST STUDY AREA,
BUILDING 231,
POTENTIOMETRIC SURFACE MAP,
SHALLOW MONITORING WELLS, 1995

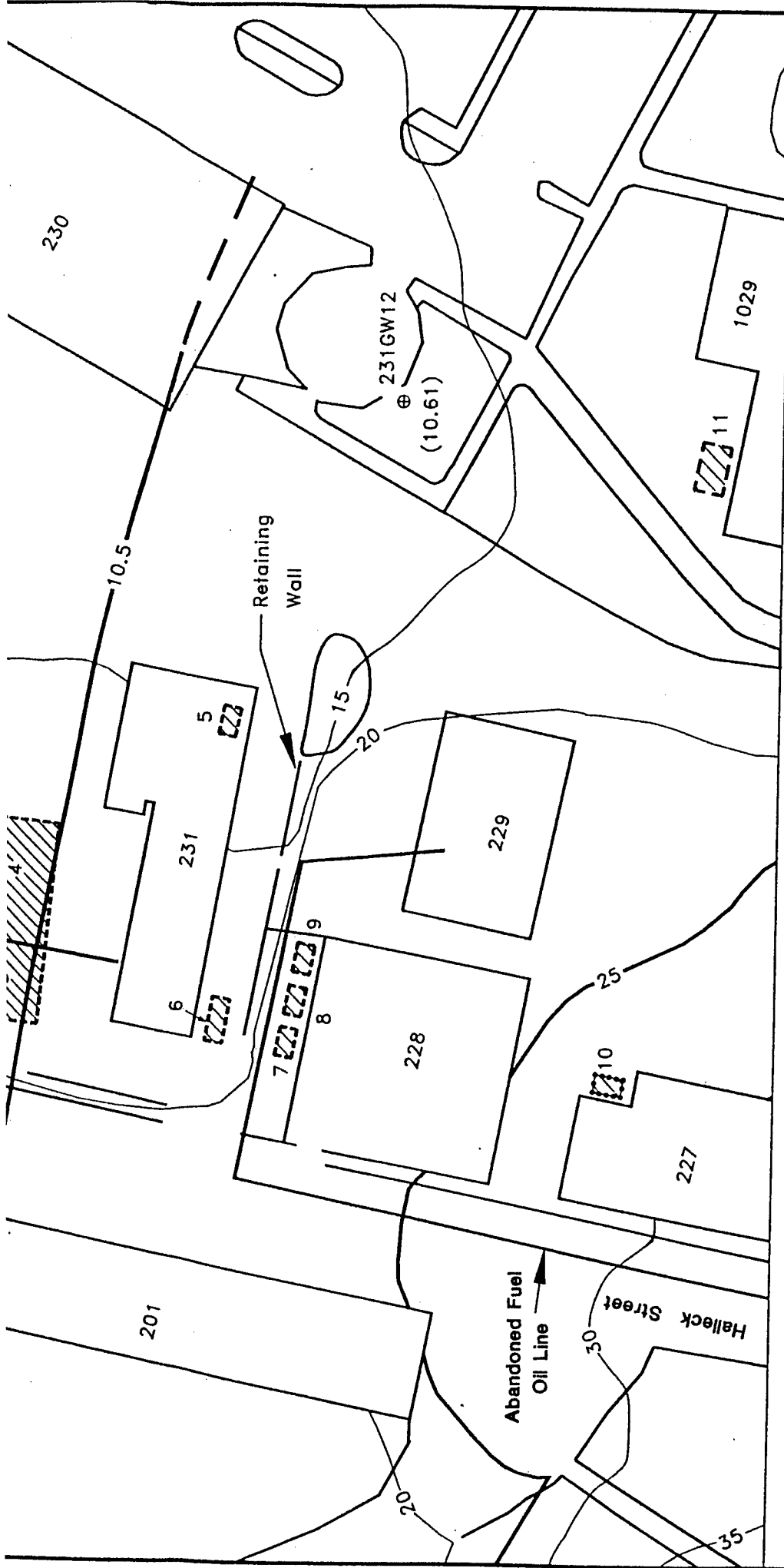
PSF25095/DV2

Date: January 1997

Figure 8.2-4

3





EXPLANATION

⊕ INTERMEDIATE MONITORING WELL

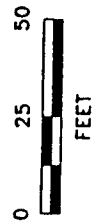
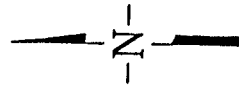
—25—

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(6.43) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.5 FEET

GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED



2

EXPLANATION

⊕ INTERMEDIATE MONITORING WELL —25—

(6.43) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

Equipotential Contour,
Dashed Where Inferred
Contour Interval 0.5 Feet

Groundwater Flow Direction
Dashed Where Inferred

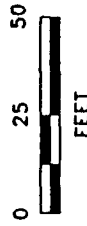
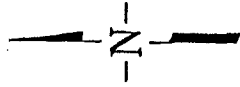
Unsubstantiated Tank Locations,
See Table 8.2-1 for Tank Numbers.

Former Tank Locations, See Table 8.2-1
for Tank Numbers.

TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

ELEVATIONS IN
FEET-PRESIDIO LOWER LOW WATER (FT-PLL)

WATER LEVELS TAKEN 0930-1040 PST
LOWER-HIGH TIDE 1051 PST
5.0 FT-PLL



DAMES & MOORE

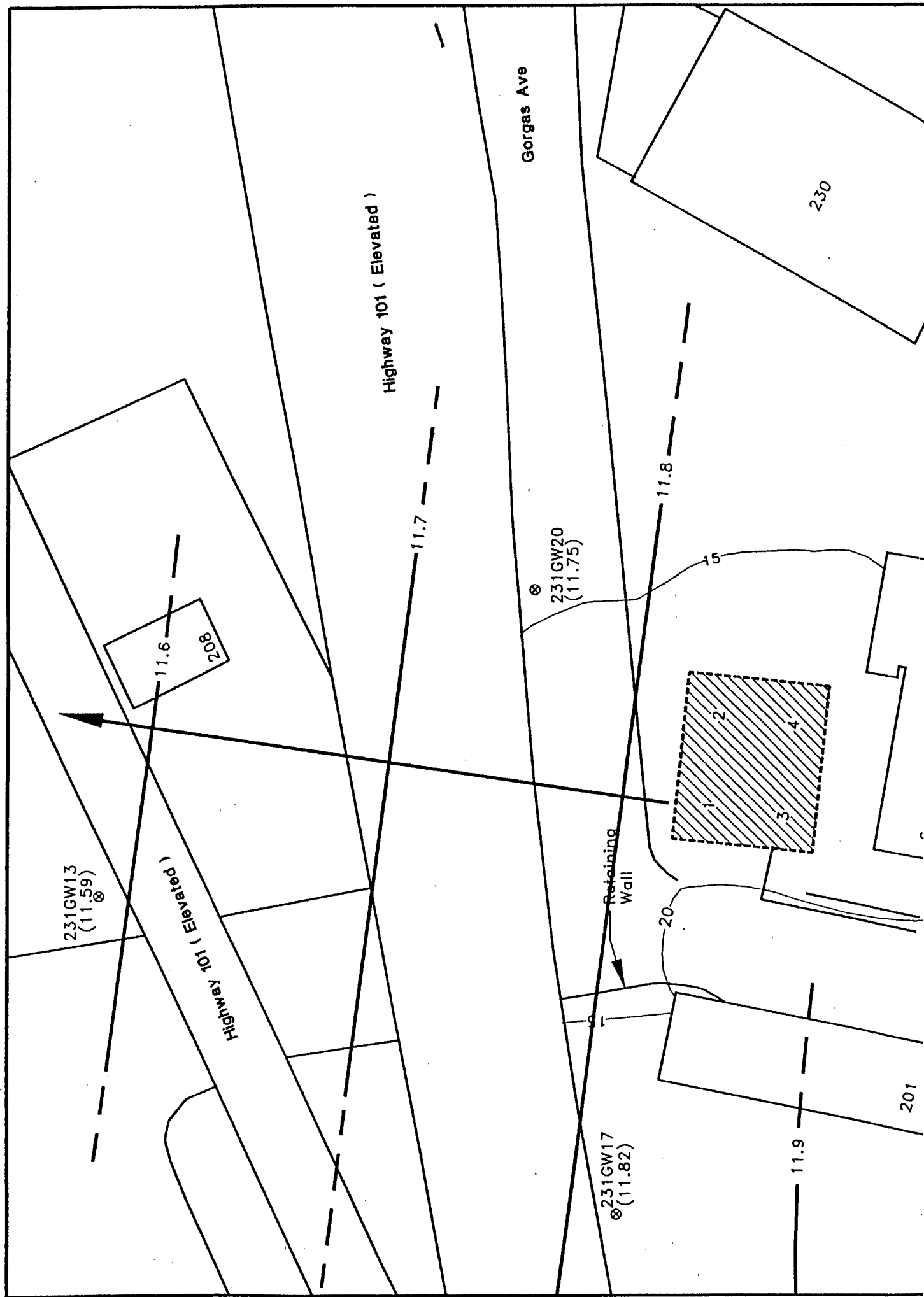
MAIN POST STUDY AREA,
BUILDING 231,

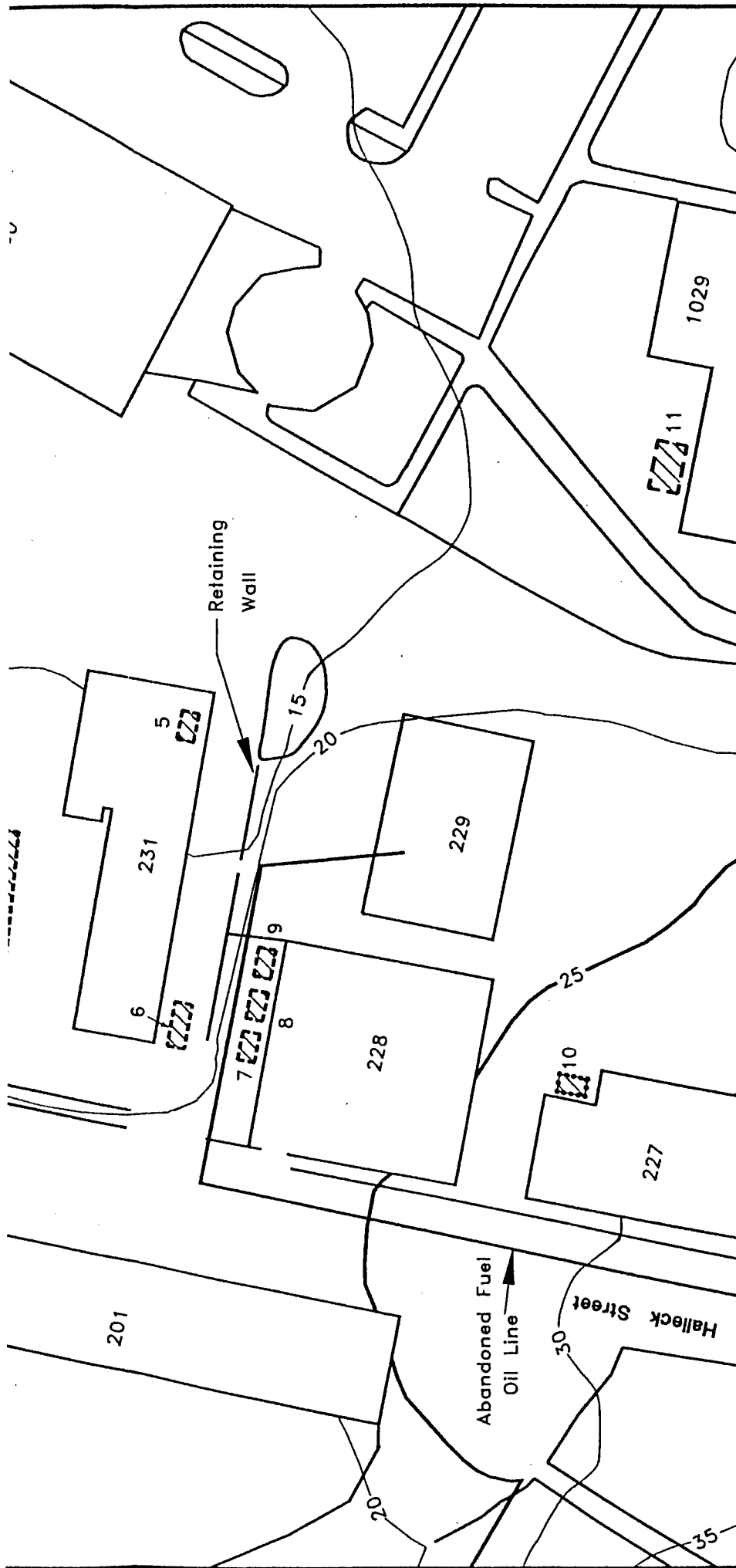
POTENTIOMETRIC SURFACE MAP,
INTERMEDIATE MONITORING WELLS, 1995

PSF25096/DV3

Date: January 1997

Figure 8.2-5





EXPLANATION

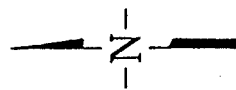
⊗ DEEP MONITORING WELL

—25— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 5 FEET

(11.84) POTENTIOMETRIC SURFACE
ELEVATION (04/14/95)

EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 0.1 FEET

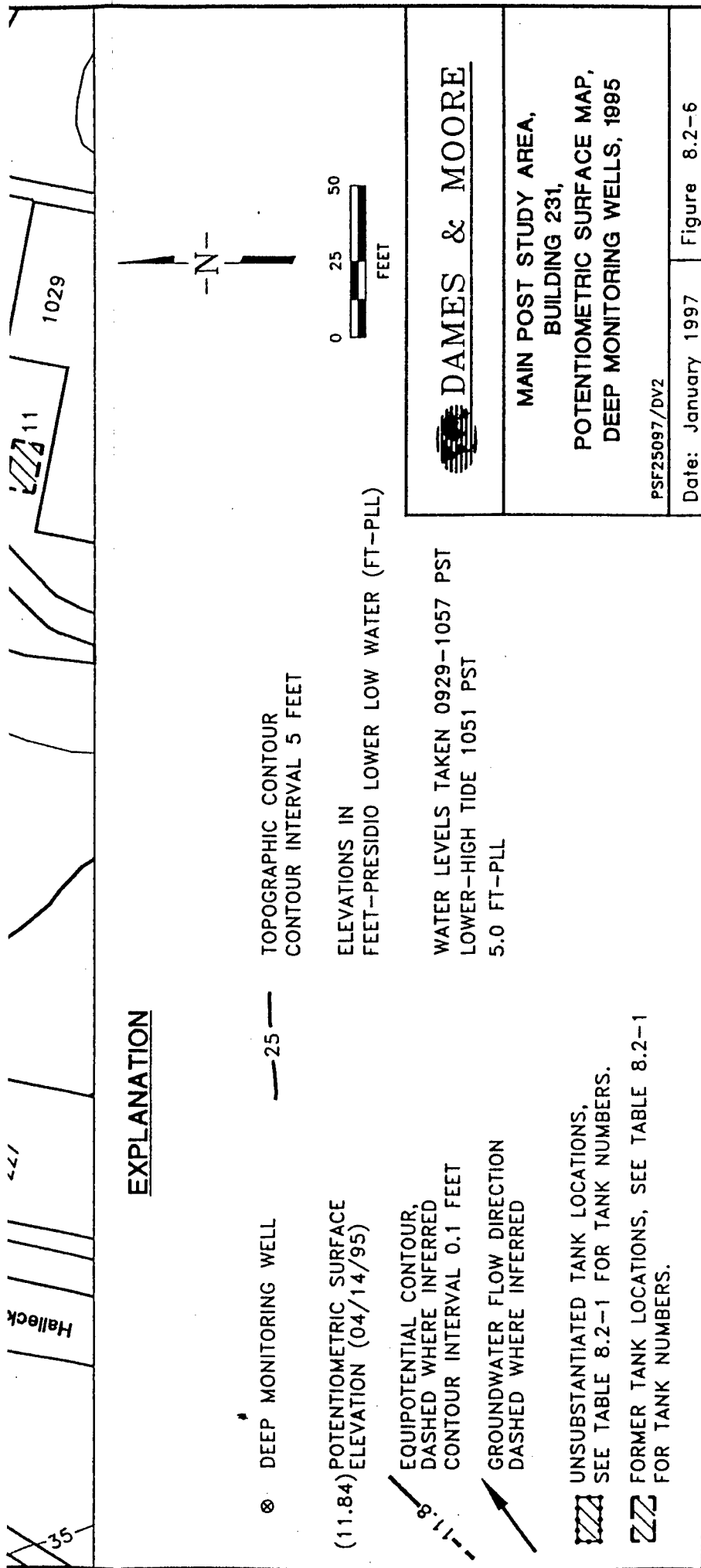
GROUNDWATER FLOW DIRECTION
DASHED WHERE INFERRED

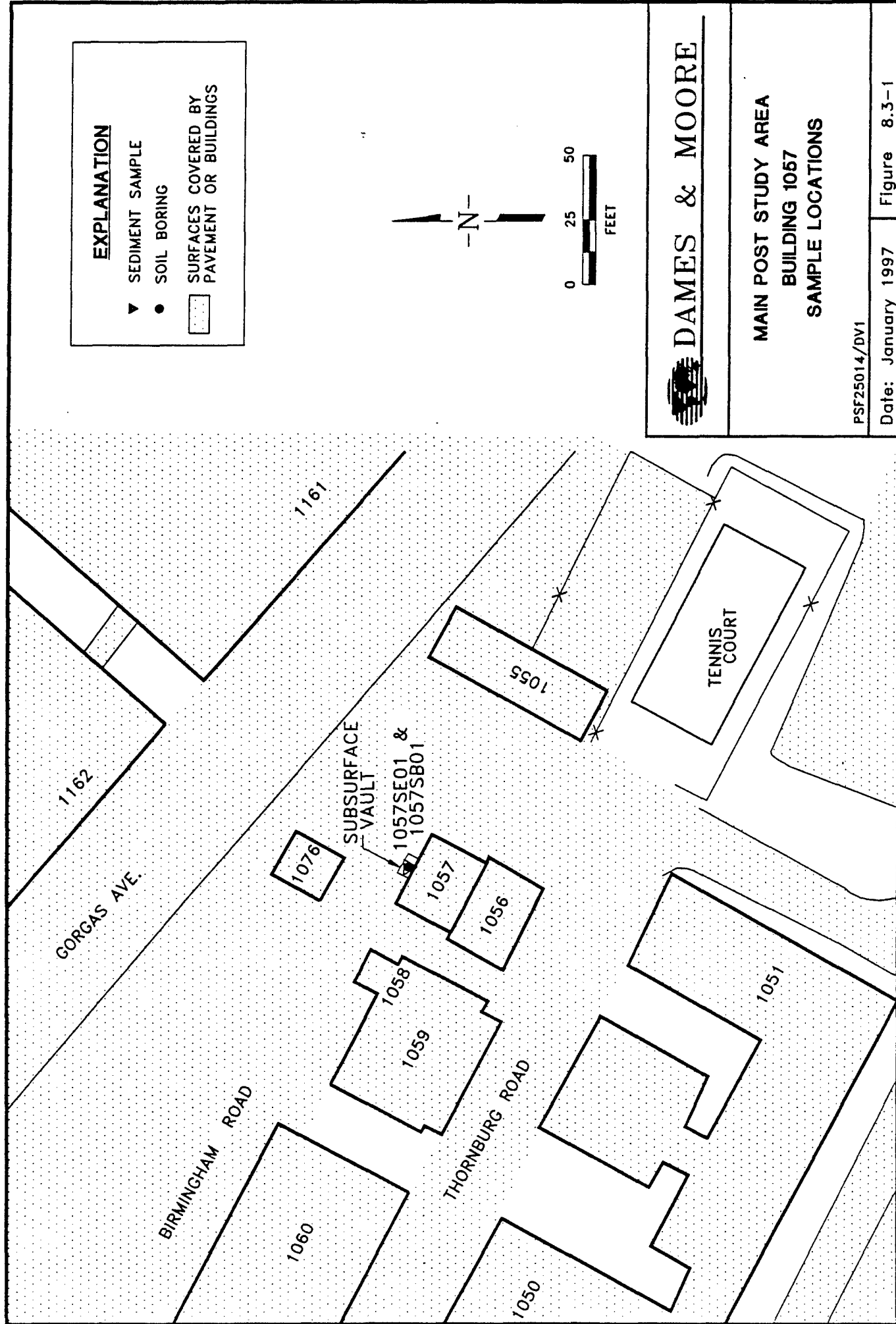


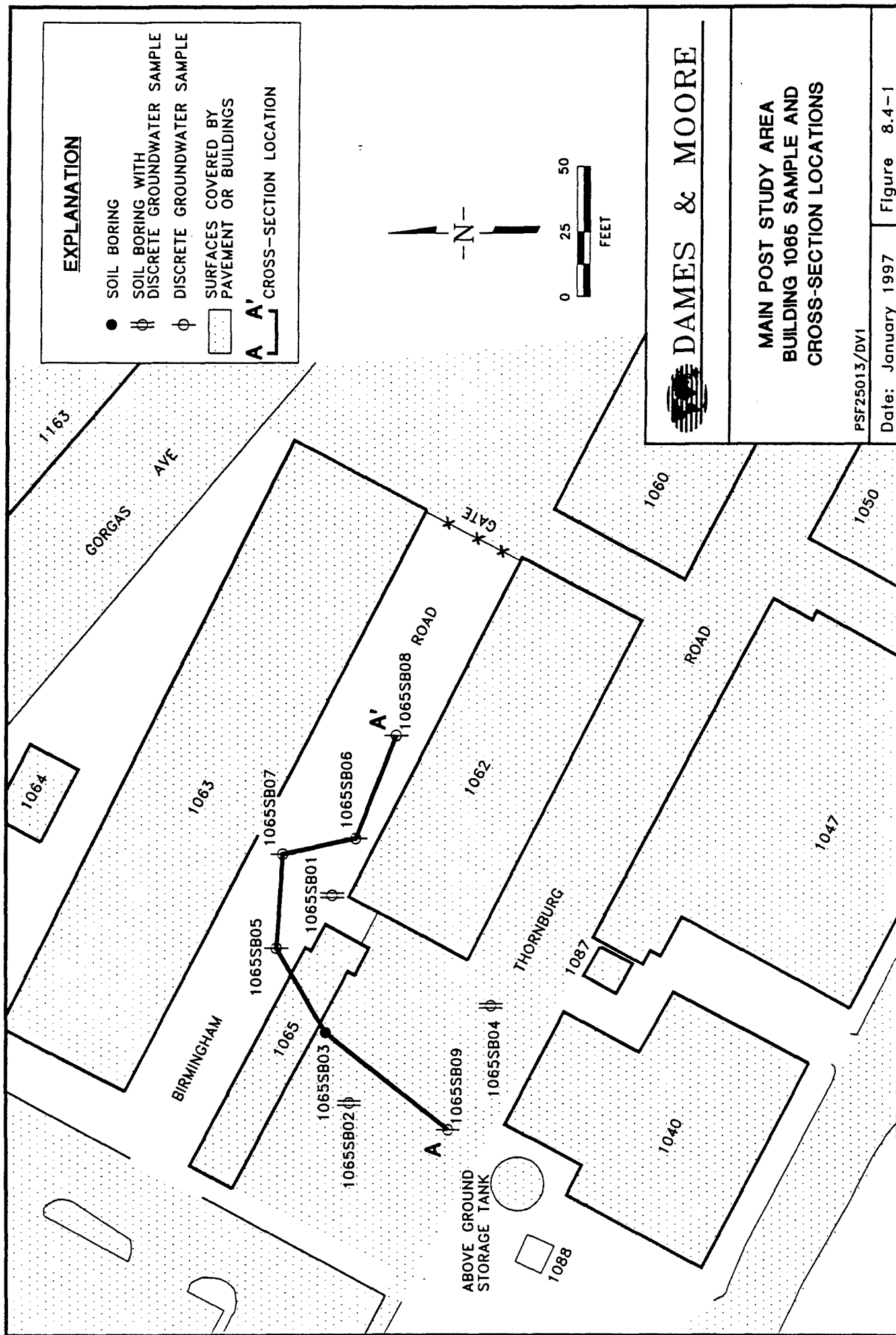
DAMES & MOORE

MAIN POST STUDY AREA,
BUILDING 231,

WATER LEVELS TAKEN 0929-1057 PST
LOWER-HIGH TIDE 1051 PST
5.0 FT-PLL







WEST
A

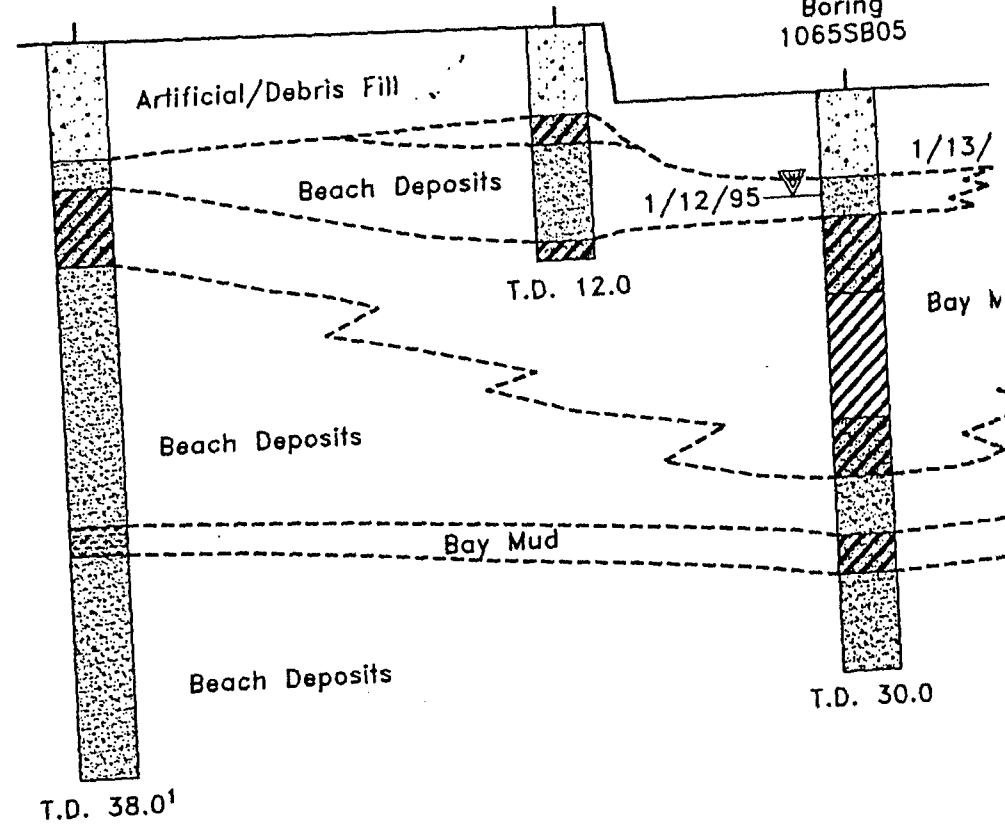
Elevation
(ft-PLL)



Boring
1065SB09

Boring
1065SB03

Boring
1065SB05



EXPLANATION



Artificial/Debris Fill



Clay



Silt



Sand



Con



App
Mea

T.D.

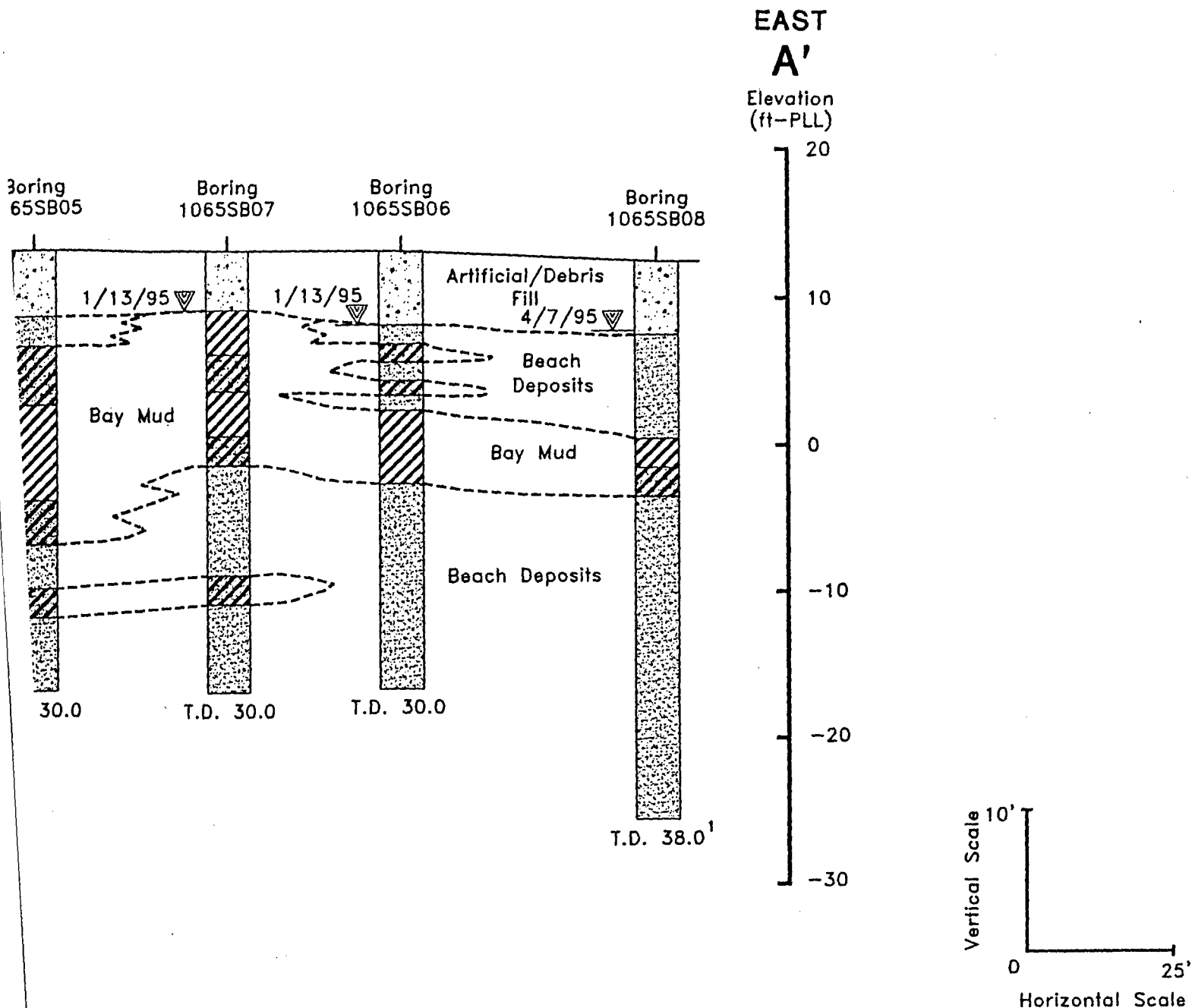
Totc

ft-PLL

fee

1

Totc



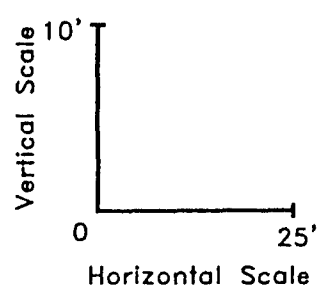
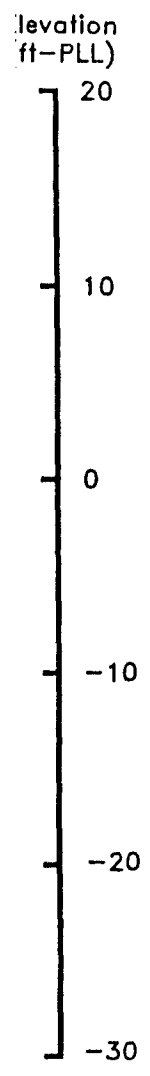
**MAIN POST STUDY AREA
BUILDING 1065
CROSS-SECTION A-A'**


PSF25139/DV1

Date: January 1997

Figure 8.4-2

EAST
A'



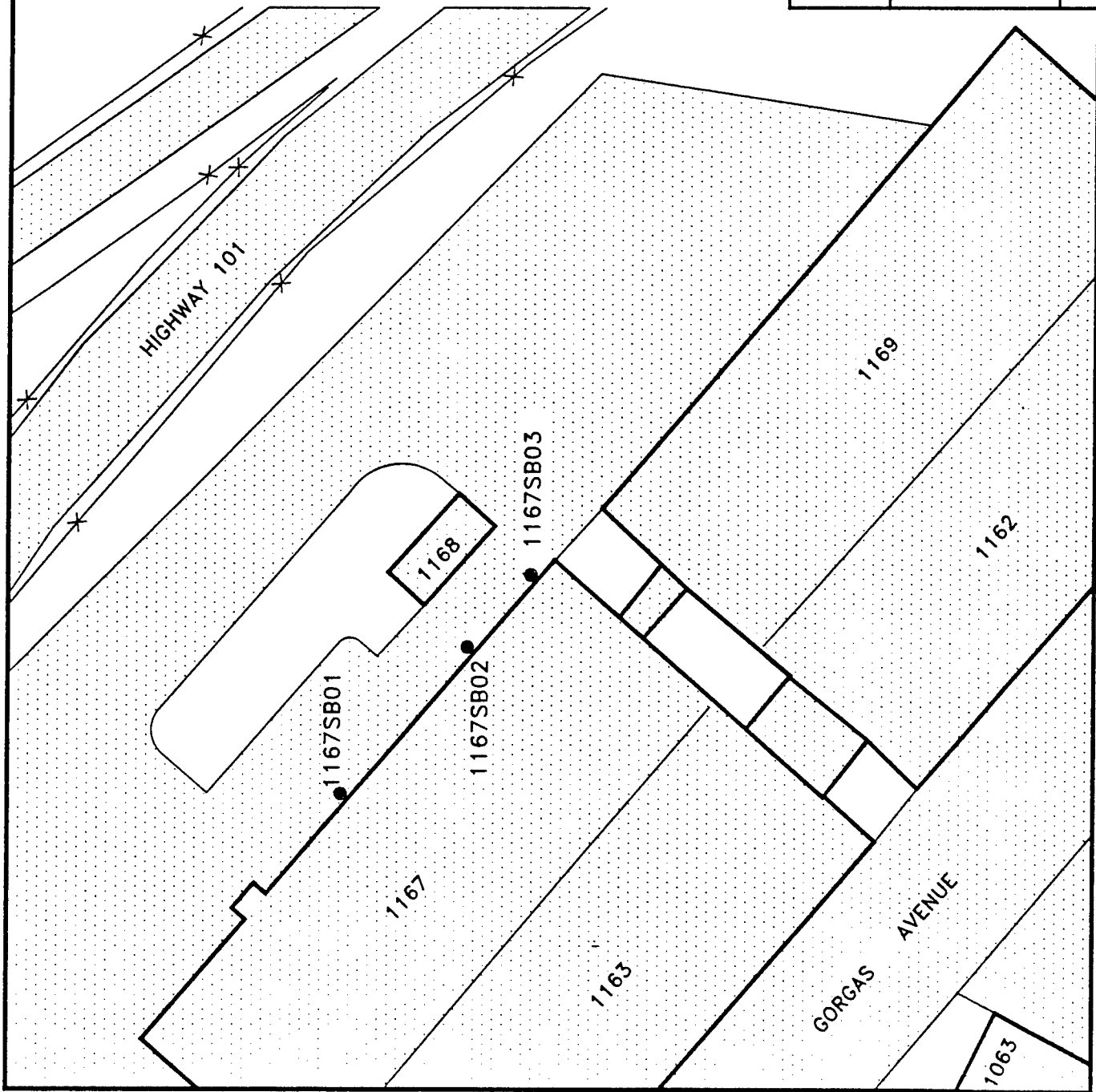
 DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 1065
CROSS-SECTION A-A'

PSF25139/DV1

Date: January 1997

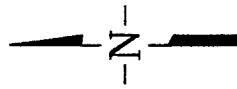
Figure 8.4-2



EXPLANATION

● SOIL BORING

▨ SURFACES COVERED BY
PAVEMENT OR BUILDINGS



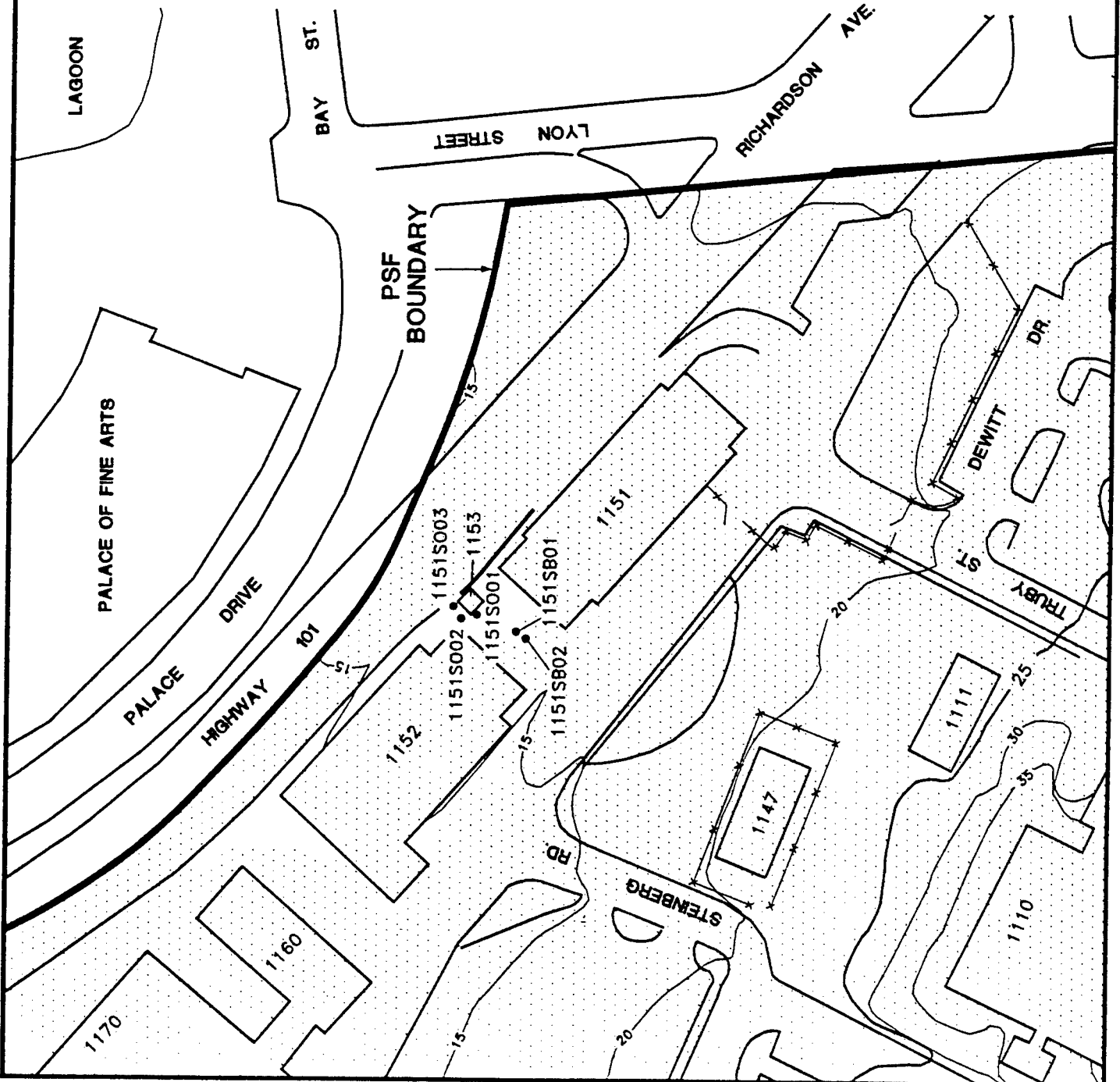
DAMES & MOORE

MAIN POST STUDY AREA
BUILDING 1167
SAMPLE LOCATIONS

PSF25012/DV1

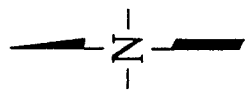
Date: January 1997

Figure 8.5-1



EXPLANATION

- SOIL BORING
- 25- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 5 FEET
- ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS



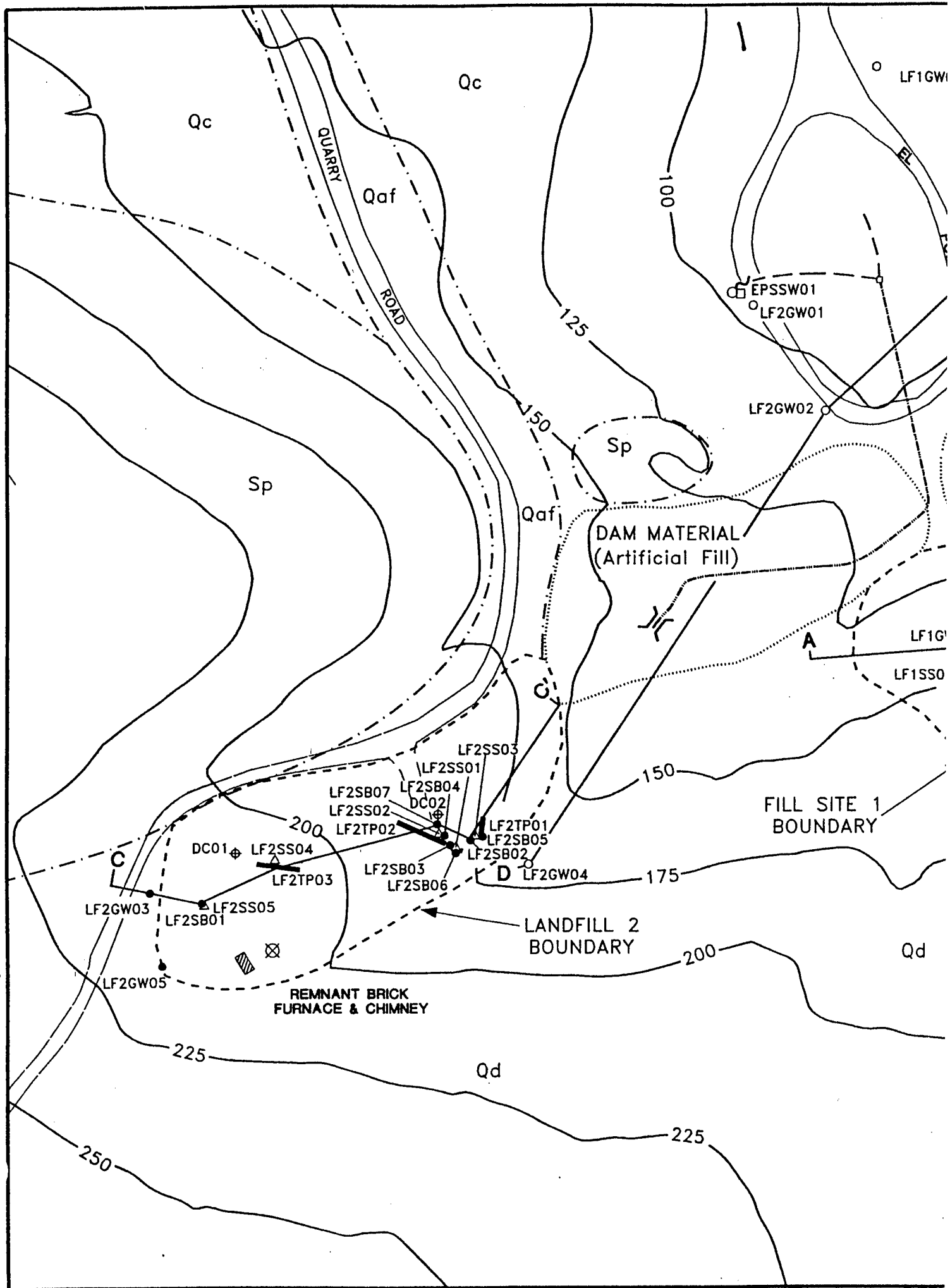
DAMES & MOORE

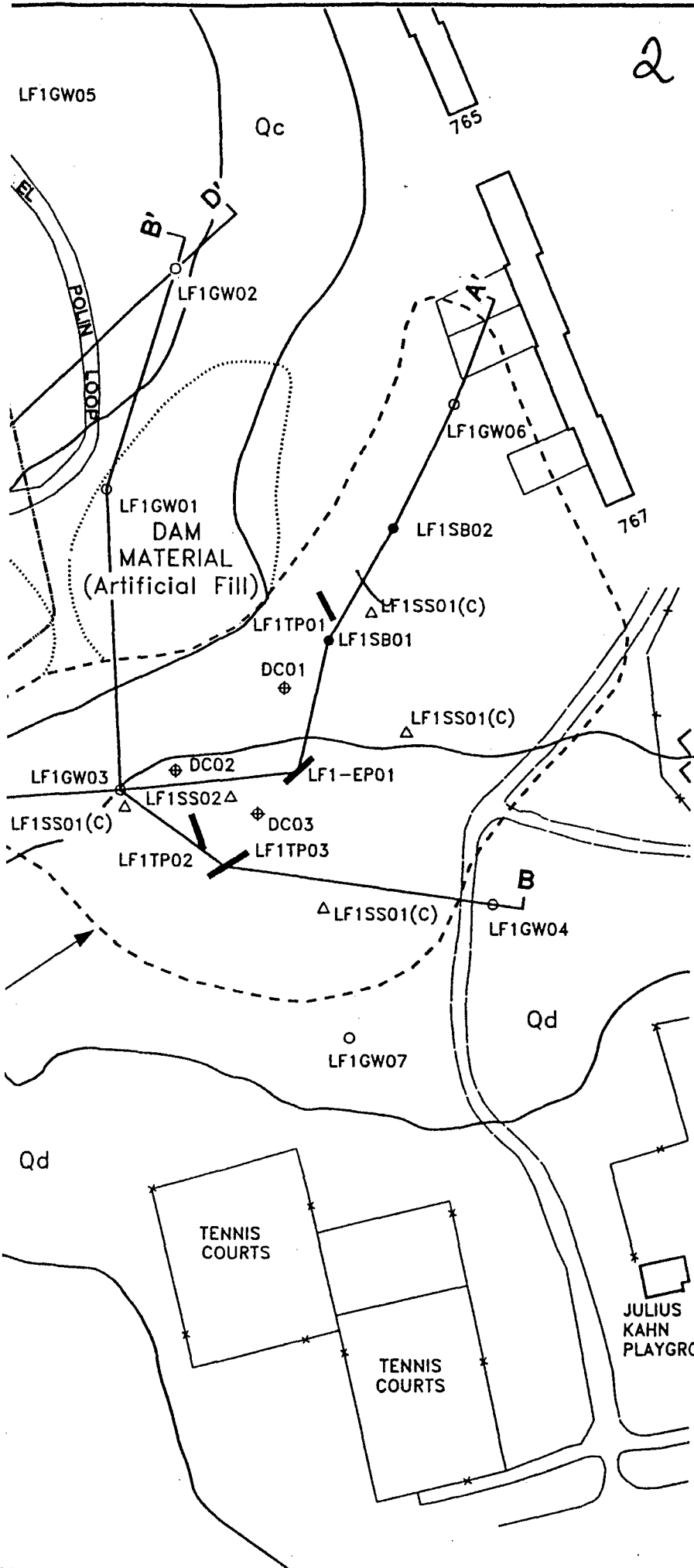
MAIN POST STUDY AREA
BUILDING 1151
SAMPLE LOCATIONS

PSF25011/DV1

Date: January 1997

Figure 8.6-1





EXPLANATION

- △ SURFACE SOIL SAMPLE
(C) = COMPOSITE
- TEST PIT
- SOIL BORING
- MONITORING WELL
- SURFACE WATER SAMPLE
- ⊕ RESISTIVITY MEASUREMENT

~ EL POLIN SPRING & STREAM CHANNEL

--- EPHEMERAL STREAM CHANNEL (APPROXIMATE LOCATION)

A A' CROSS SECTION LINE

250 TOPOGRAPHIC CONTOUR

--- LITHOLOGIC CONTACT

..... DAM MATERIAL BOUNDARY

Qaf ARTIFICIAL FILL

Qc COLMA FORMATION

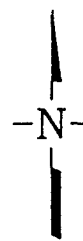
Qd DUNE SAND

Sp SERPENTINITE

CONTOUR INTERVAL 25 FEET

ELEVATION IN FEET-PRESIDIO LOWER LOW WATER

NOTE: LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



0 50 100
FEET

DAMES & MOORE

**FILL SITE 1 & LANDFILL 2
SAMPLE & CROSS SECTION LOCATION**

PSF25004/DV1

Date: January 1997

Figure 9.1-1

EXPLANATION

3

△ SURFACE SOIL SAMPLE
(C) = COMPOSITE

— TEST PIT

• SOIL BORING

○ MONITORING WELL

□ SURFACE WATER SAMPLE

⊕ RESISTIVITY MEASUREMENT

~ EL POLIN SPRING &
STREAM CHANNEL

--- EPHEMERAL STREAM CHANNEL
(APPROXIMATE LOCATION)

A A'
— CROSS SECTION LINE

—250— TOPOGRAPHIC CONTOUR

--- LITHOLOGIC CONTACT

..... DAM MATERIAL BOUNDARY

Qaf ARTIFICIAL FILL

Qc COLMA FORMATION

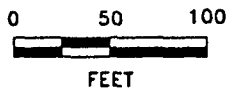
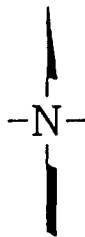
Qd DUNE SAND

Sp SERPENTINITE

CONTOUR INTERVAL 25 FEET

ELEVATION IN
FEET—PRESIDIO LOWER LOW WATER

NOTE: LF2TP01 & LF2TP02 ARE RELOCATED.
PLEASE SEE APPENDIX O (SURVEY DATA)
FOR DETAILS.



 DAMES & MOORE

FILL SITE 1 & LANDFILL 2
SAMPLE & CROSS SECTION LOCATIONS

PSF25004/DV1

Date: January 1997

Figure 9.1-1

JS
GROUND

Southwest

A

Elevation
(ft-PLL)

160

140

120

100

80

60

40

Cross-Section
B-B'
Intersection

Well
LF1GW03

Test Pit (a)
LF1-EP01

Soil Boring
LF1SB01

T.D. 12.0

T.D. 25.5

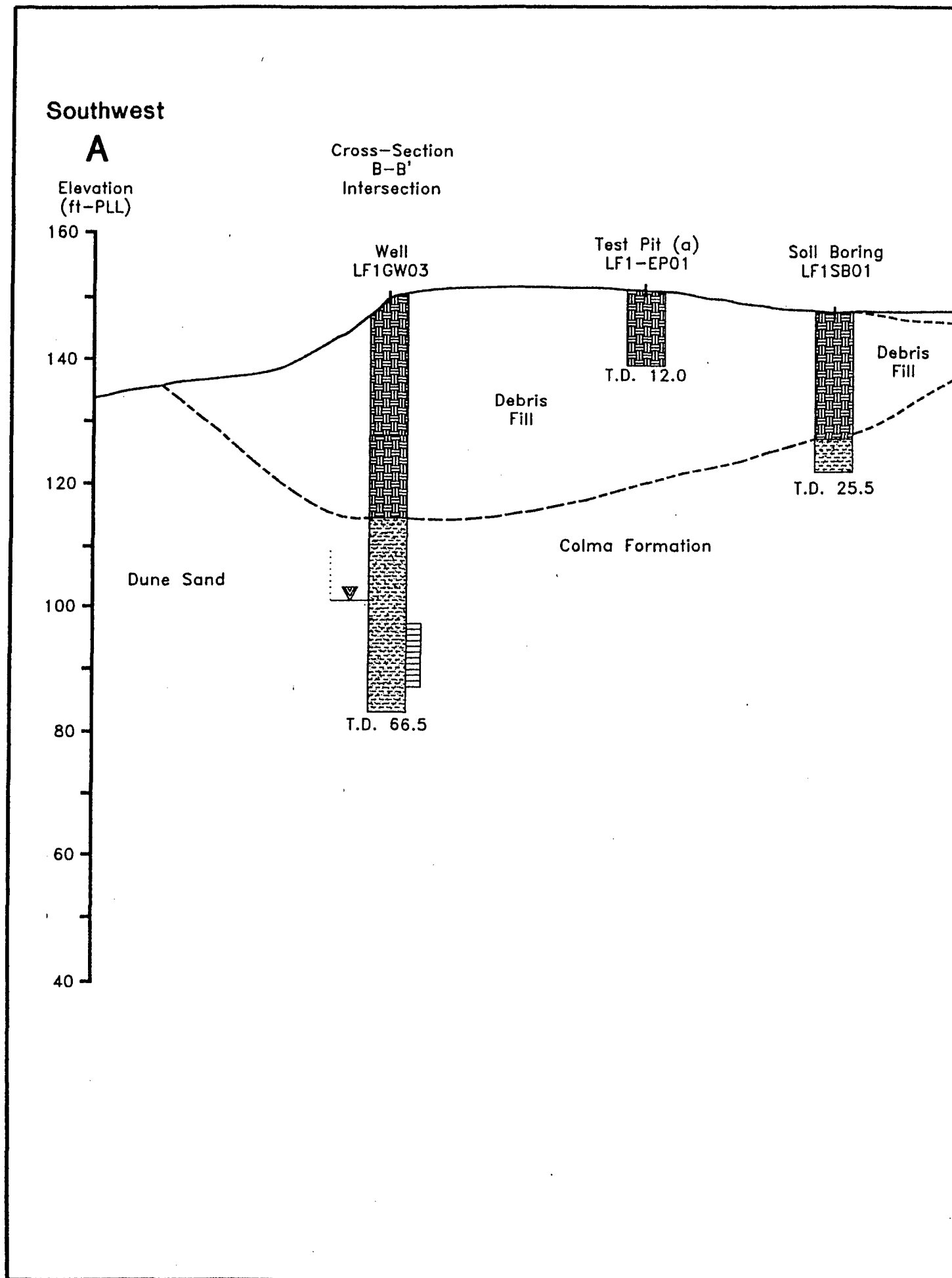
Debris
Fill

Colma Formation

Dune Sand

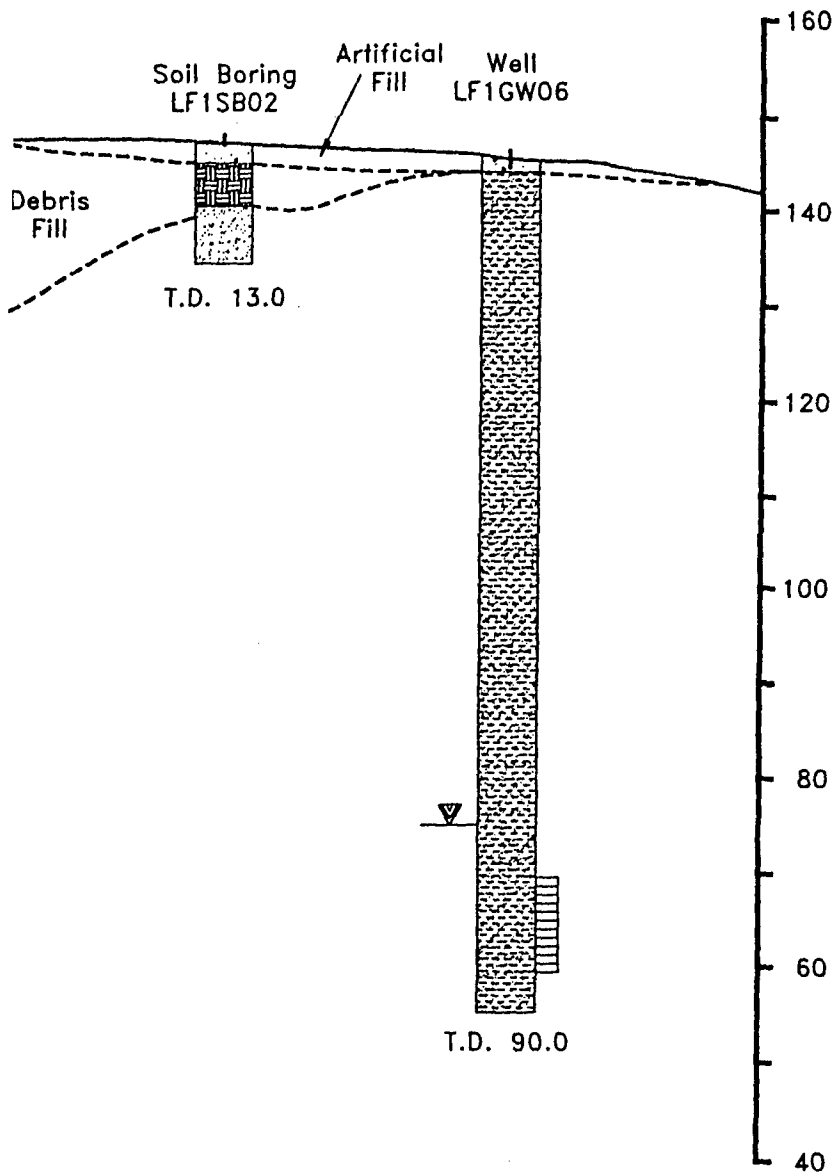
T.D. 66.5

Debris
Fill



Northeast A'

Elevation
(ft-PLL)



EXPLANATION



Artificial Fill



Debris Fill



Silt



Sand



Contact, dashed where inferred



Water Level (03/17/95)

T.D.

Total Depth (ft bgs)

ft-PLL

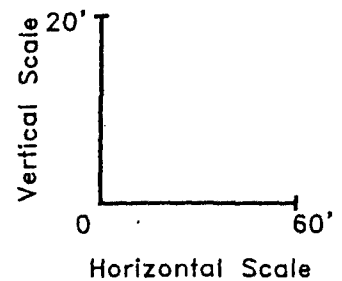
feet-Presidio Lower Low Water

(a)

Approximate Location & Elevation



Well Screen Interval



DAMES & MOORE

FILL SITE 1
CROSS SECTION A-A'

PSF25109/DV1

Date: January 1997

Figure 9.1-2

EXPLANATION



Artificial Fill



Debris Fill



Silt



Sand



Contact, dashed where inferred



Water Level (03/17/95)

T.D.

Total Depth (ft bgs)

ft-PLL

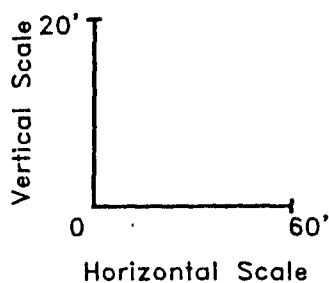
feet-Presidio Lower Low Water

(a)

Approximate Location & Elevation



Well Screen Interval



DAMES & MOORE

**FILL SITE 1
CROSS SECTION A-A'**

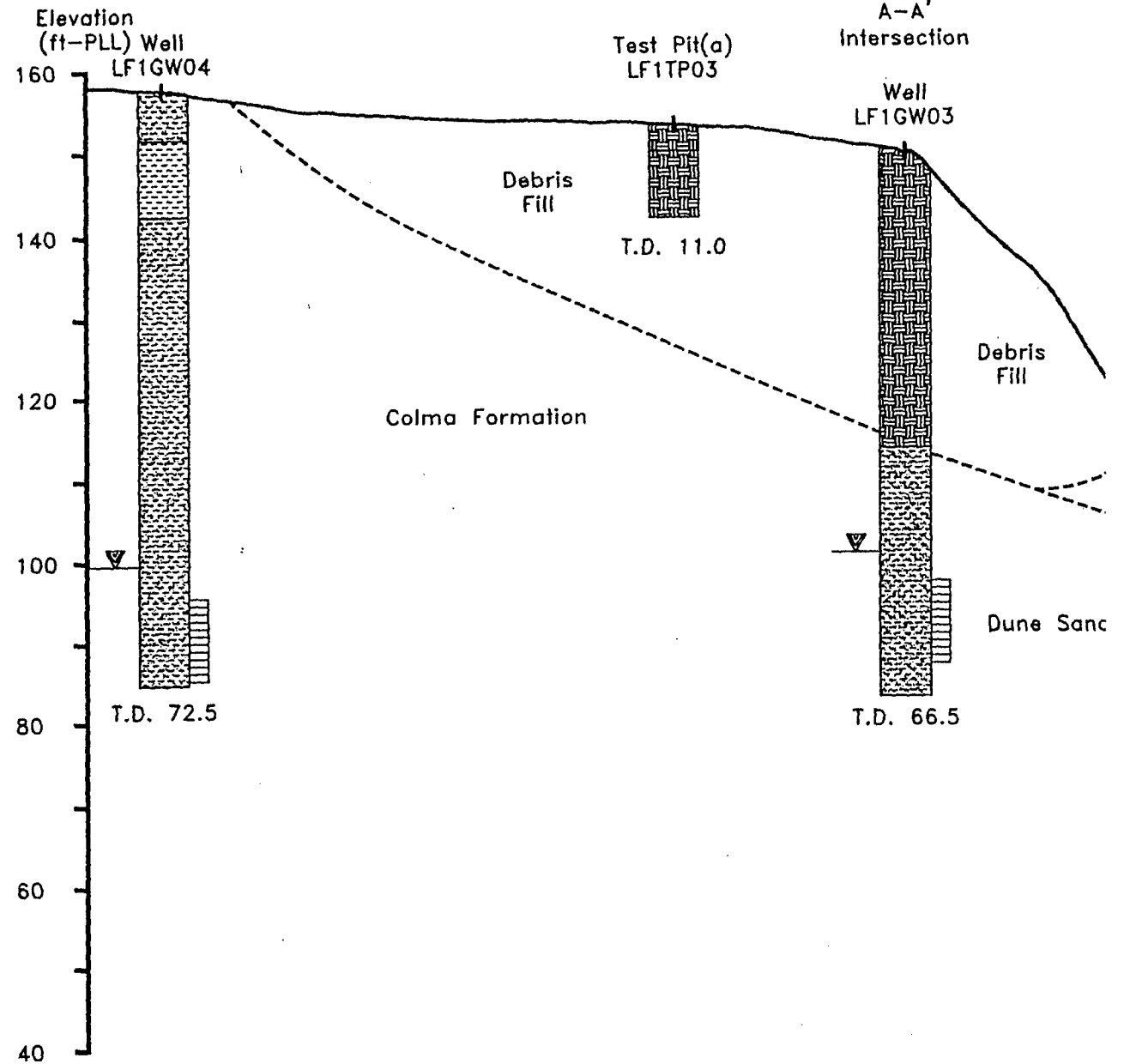
PSF25109/DV1

Date: January 1997








Figure 9.1-2

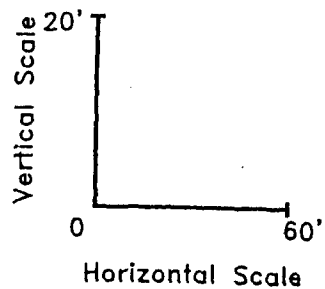
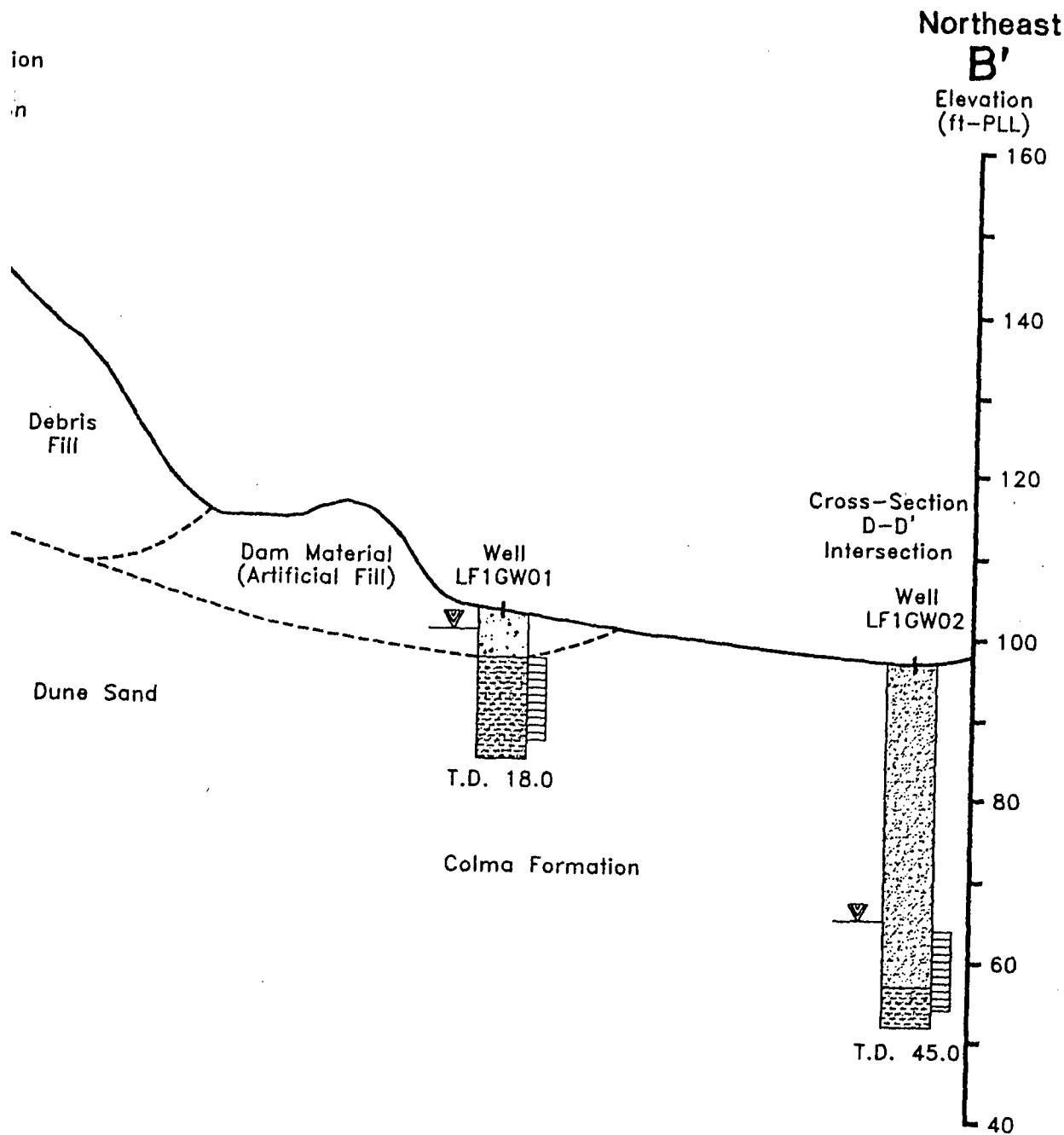
Southeast

B



EXPLANATION

- | | | | |
|---|--------------------------------|---|----------------------------------|
|  | Artificial Fill |  | Water Level (03/17/95) |
|  | Debris Fill | T.D. | Total Depth (ft bgs) |
|  | Silt | ft-PLL | feet-Presidio Lower Low Water |
|  | Sand | (a) | Approximate Location & Elevation |
|  | Contact, dashed where inferred |  | Well Screen Interval |



DAMES & MOOR

FILL SITE 1
CROSS SECTION B-B'

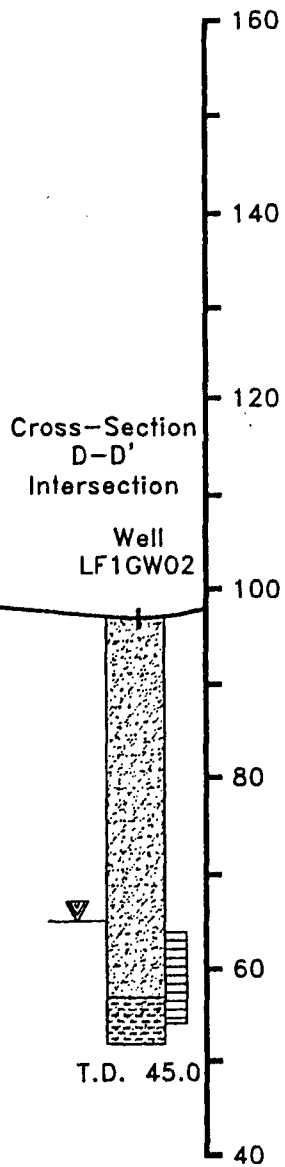
PSF25110/DV1

Date: January 1997

Figure 9.1-3

Northeast B'

Elevation
(ft-PLL)



DAMES & MOORE

FILL SITE 1
CROSS SECTION B-B'

PSF25110/DV1

Date: January 1997

Figure 9.1-3

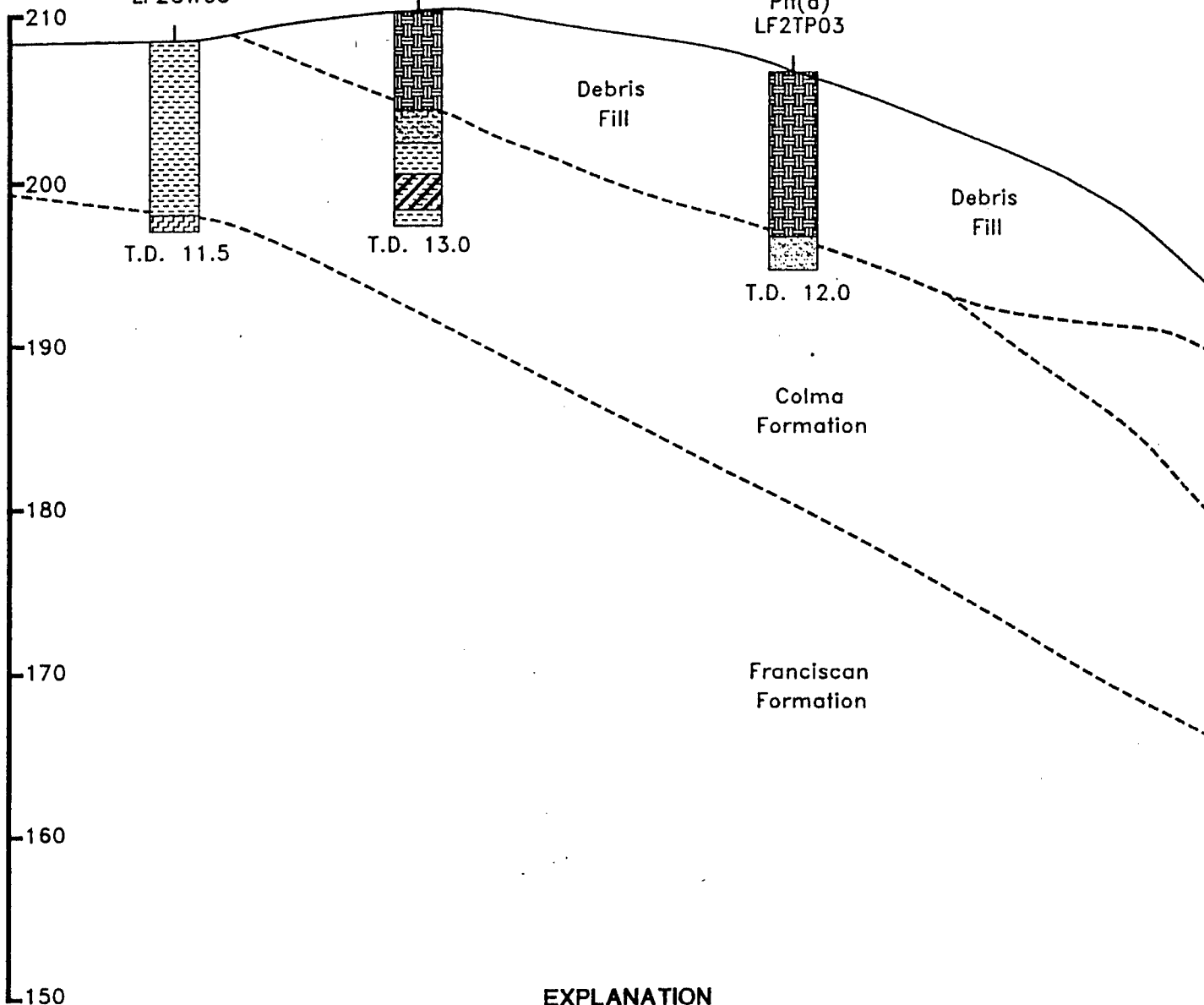
WEST C

Elevation
(ft-PLL)

Soil
Boring
LF2GW03

Soil
Boring
LF2SB01

Test
Pit(a)
LF2TP03



EXPLANATION



Artificial Fill



Debris Fill



Landfill Material



Clay



Silt



Sand



Serpentine



Contact, dashed where inferred

T.D.

Total Depth (ft bgs)

ft-PLL

feet-Presidio Lower Low Water

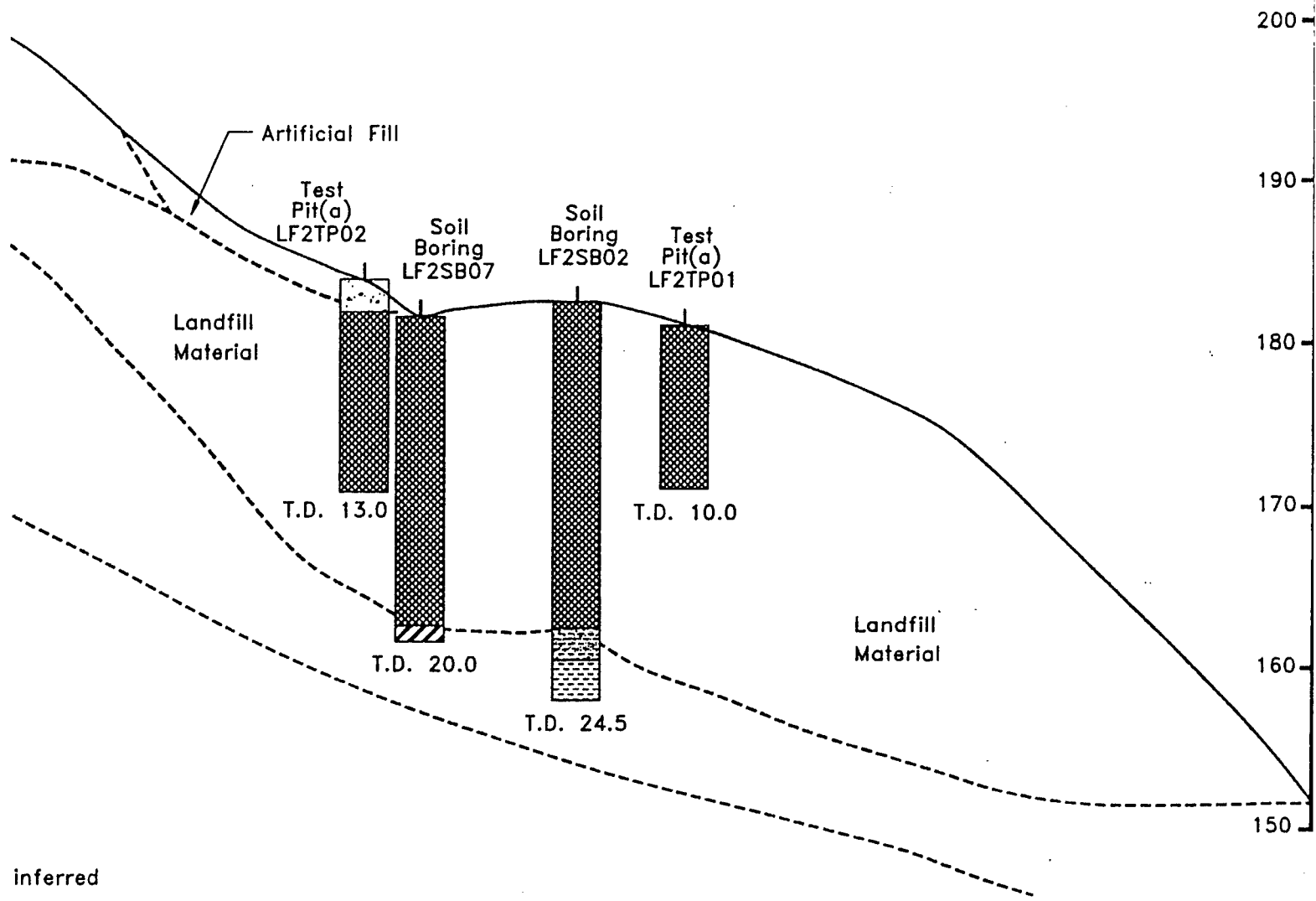
(a)

Approximate Location & Elevation

2

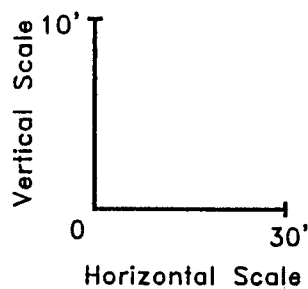
EAST
C'
Elevation
(ft-PLL)


210 -



inferred

W Water
: Elevation



 **DAMES & MOORE**

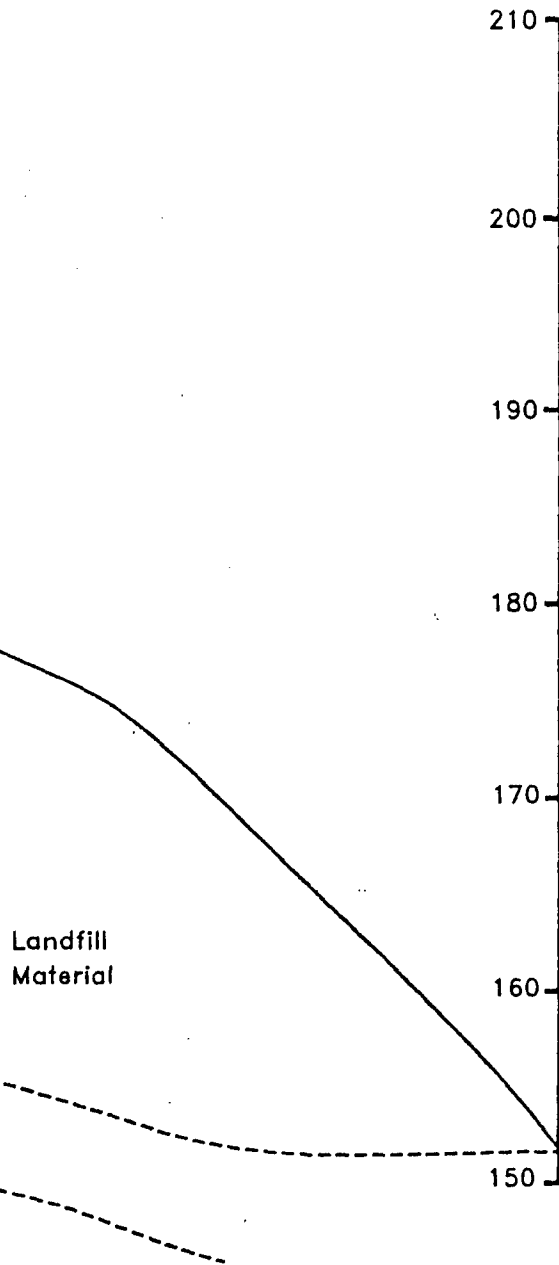
**LANDFILL 2
CROSS SECTION C-C'**

PSF25111/DV1

Date: January 1997

Figure 9.1-4

EAST
C'
Elevation
(ft-PLL)



DAMES & MOORE

LANDFILL 2
CROSS SECTION C-C'

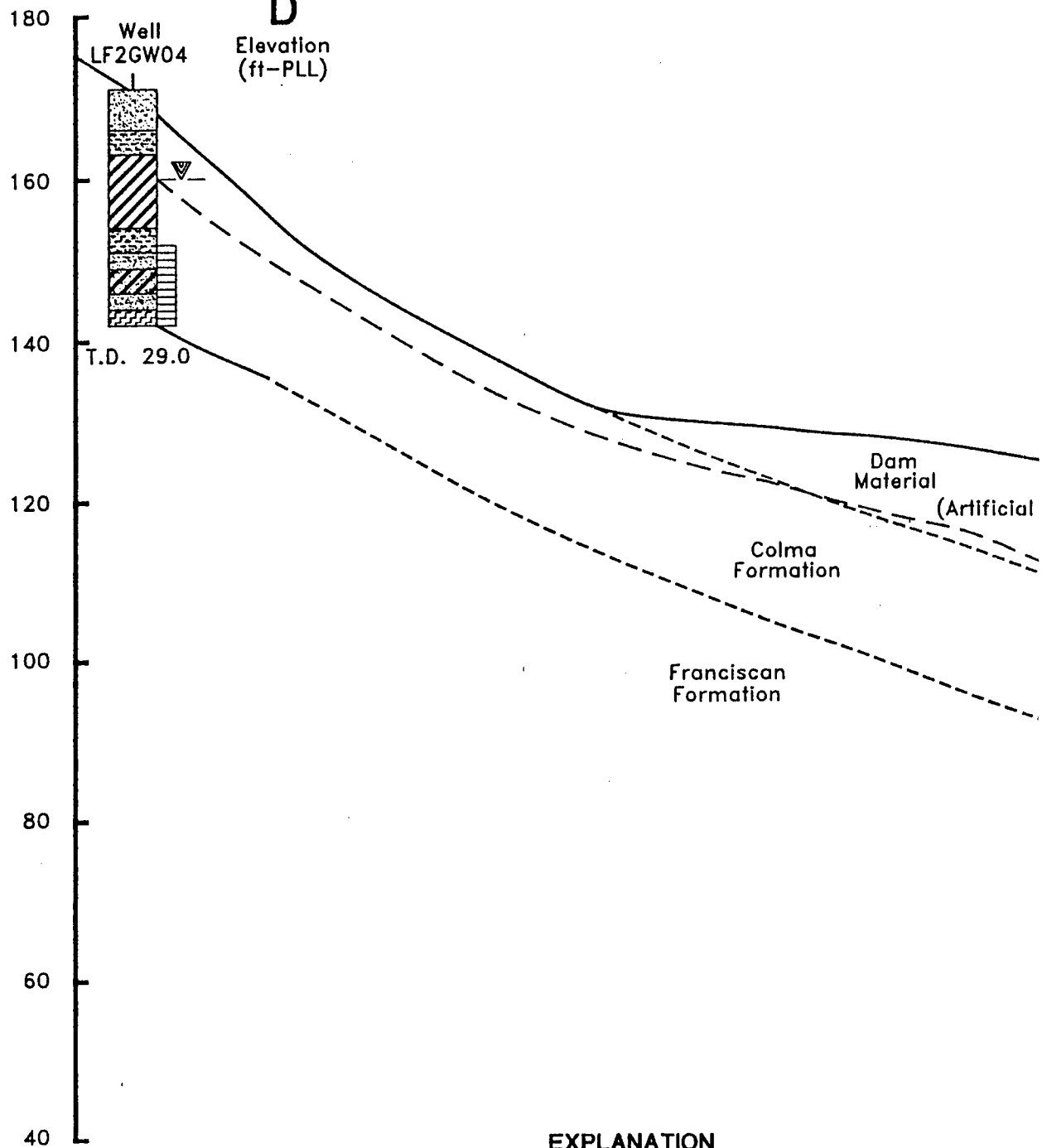
PSF25111/DV1

Date: January 1997






Figure 9.1-4




SOUTHWEST

D



EXPLANATION

-  Clay
-  Silt
-  Sand
-  Gravel
-  Serpentinite

-  Contact, dashed
-  Water Level (03,
- T.D. Total Depth (ft
- ft-PLL feet-Presidio Lo
-  Well Screen Inte

NORTHEAST

D'

Elevation
(ft-PLL)

180

160

140

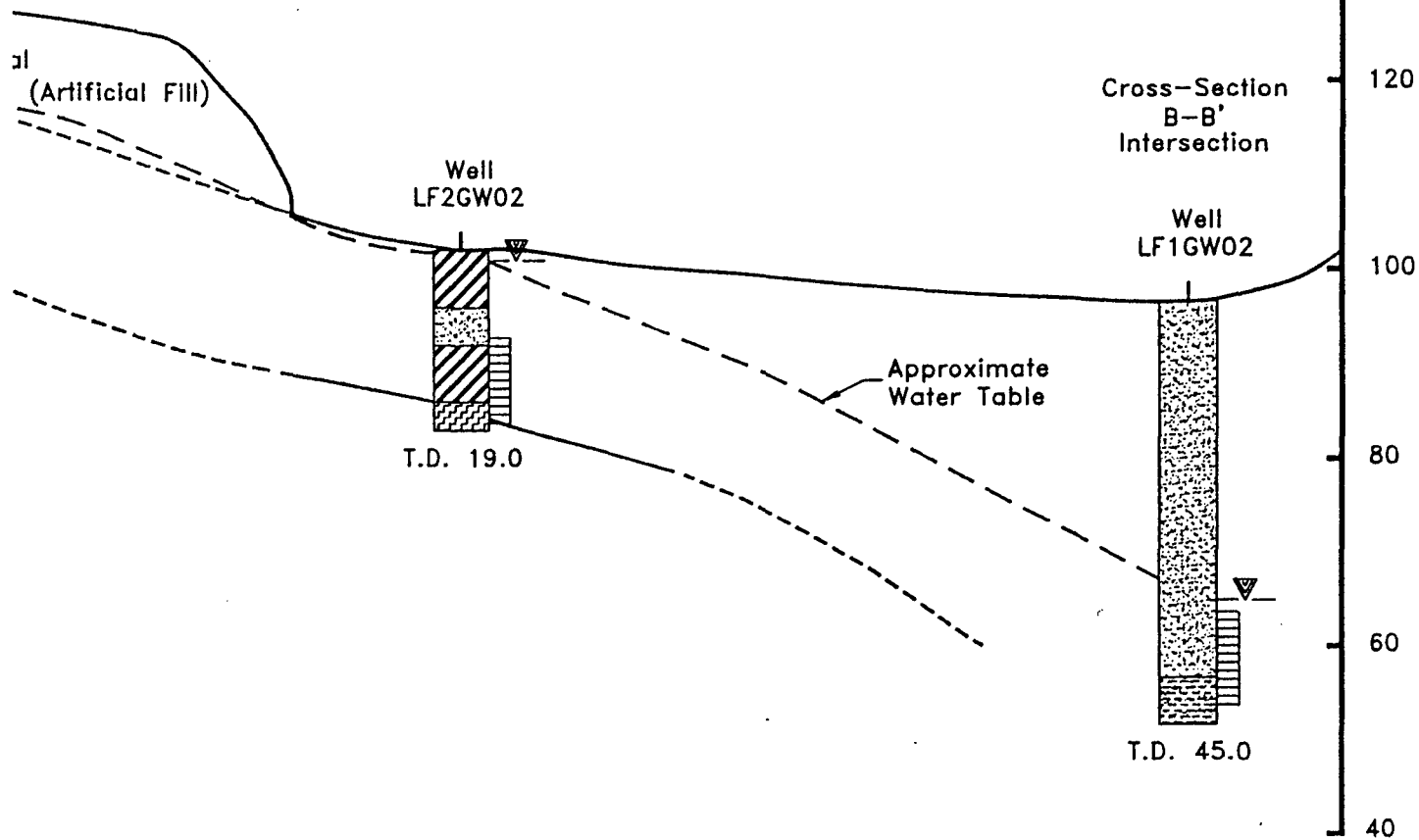
120

100

80

60

40



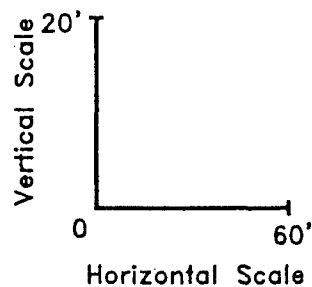
ct, dashed where inferred

Level (03/17/95)

Depth (ft bgs)

Presidio Lower Low Water

Screen Interval



DAMES & MOORE

LANDFILL 2
CROSS SECTION D-D'

PSF25112/DV1

Date: January 1997

Figure 9.1-5

NORTHEAST

D'

Elevation
(ft-PLL)

Cross-Section
B-B'
Intersection

Well
LF1GW02

roximate
er Table

T.D. 45.0

180

160

140

120

100

80

60

40



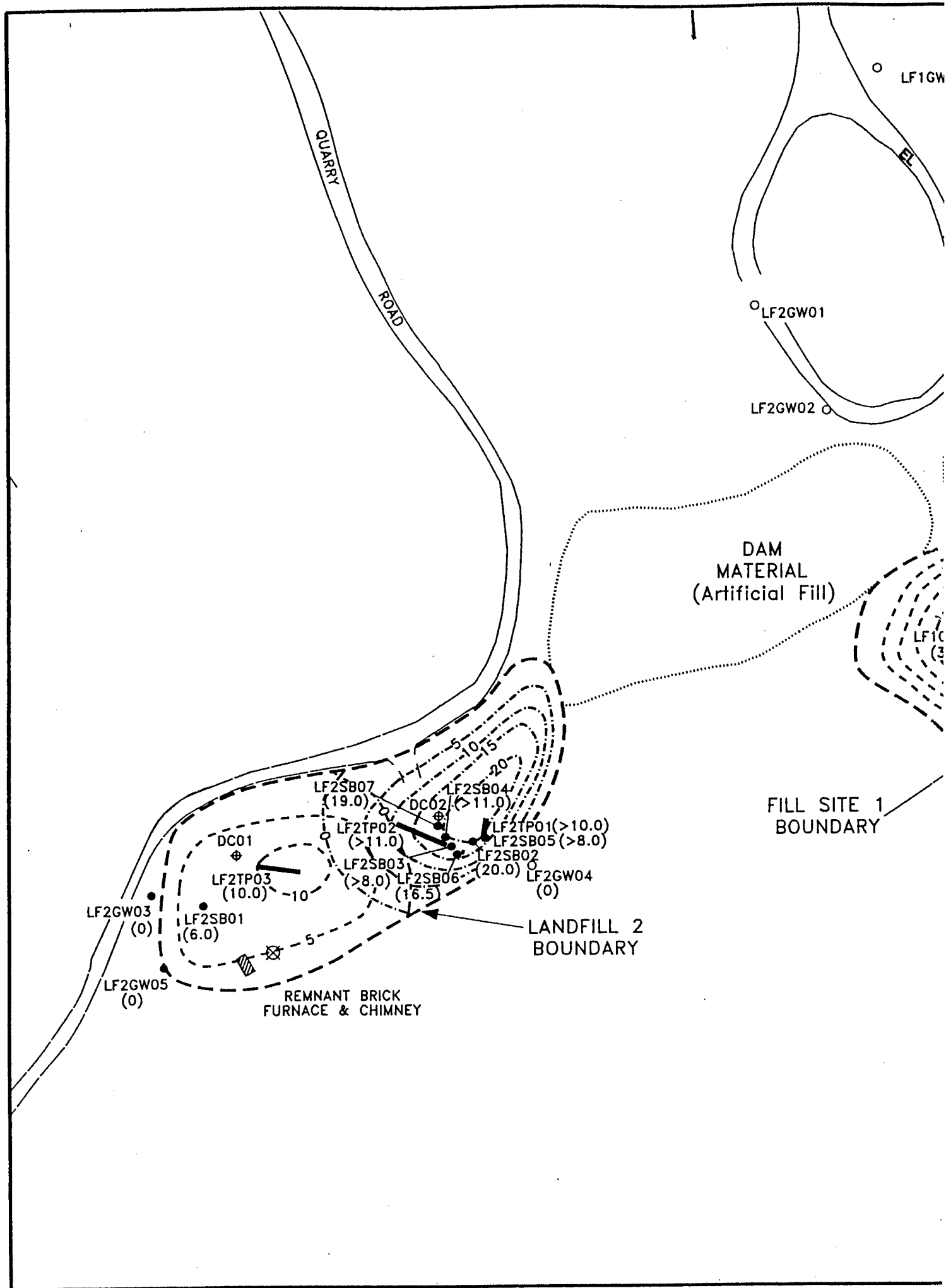
DAMES & MOORE

LANDFILL 2
CROSS SECTION D-D'

PSF25112/DV1

Date: January 1997

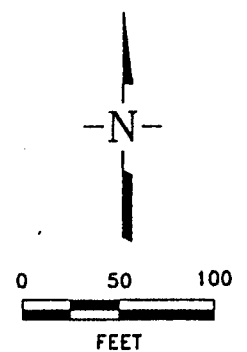
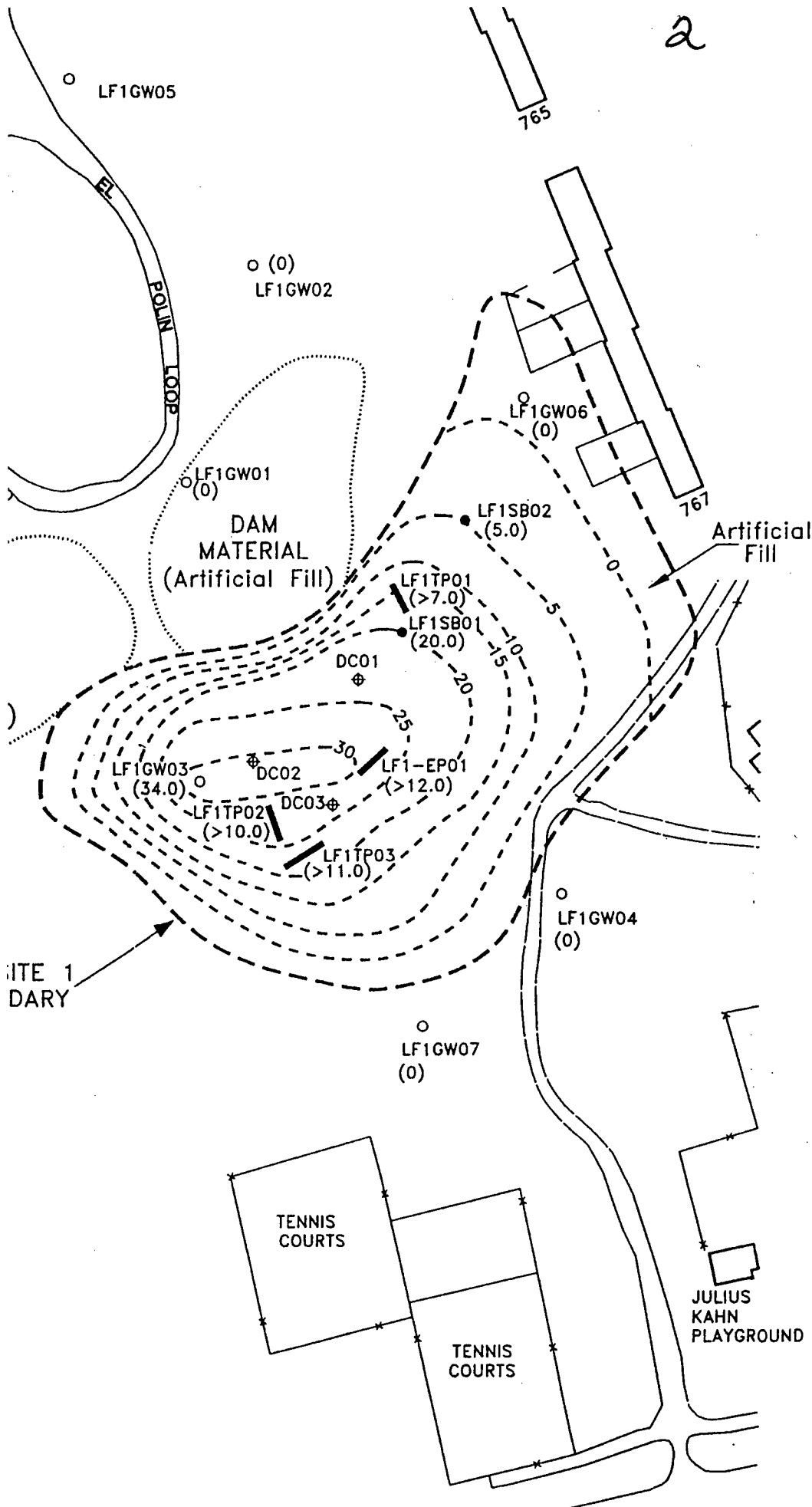
Figure 9.1-5



2

EXPLANATION

- TEST PIT
- SOIL BORING
- MONITORING WELL
- ⊕ RESISTIVITY MEASUREMENT
- (5) FILL THICKNESS IN FEET
- - - 5 - - - DEBRIS FILL THICKNESS CONTOUR (FILL SITE 1 & LANDFILL)
- - - 5 - - - LANDFILL MATERIAL THICKNESS CONTOUR (LANDFILL 2)
- DAM MATERIAL BOUNDARY



 **DAMES & MOORE**

FILL SITE 1 & LANDFILL 2 DEBRIS FILL & LANDFILL MATERIAL ISOPACHS

PSF25115/DV1

Date: January 1997

Figure 9.1-

EXPLANATION

- TEST PIT
- SOIL BORING
- MONITORING WELL

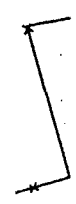
- ⊕ RESISTIVITY MEASUREMENT
- (5) FILL THICKNESS IN FEET

- - - 5 - - - DEBRIS FILL THICKNESS CONTOUR
(FILL SITE 1 & LANDFILL 2)

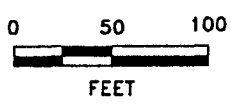
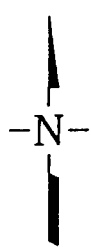
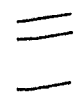
- - - 5 - - - LANDFILL MATERIAL THICKNESS
CONTOUR (LANDFILL 2)

- DAM MATERIAL BOUNDARY

Artificial
Fill



LIUS
HN
AYGROUND



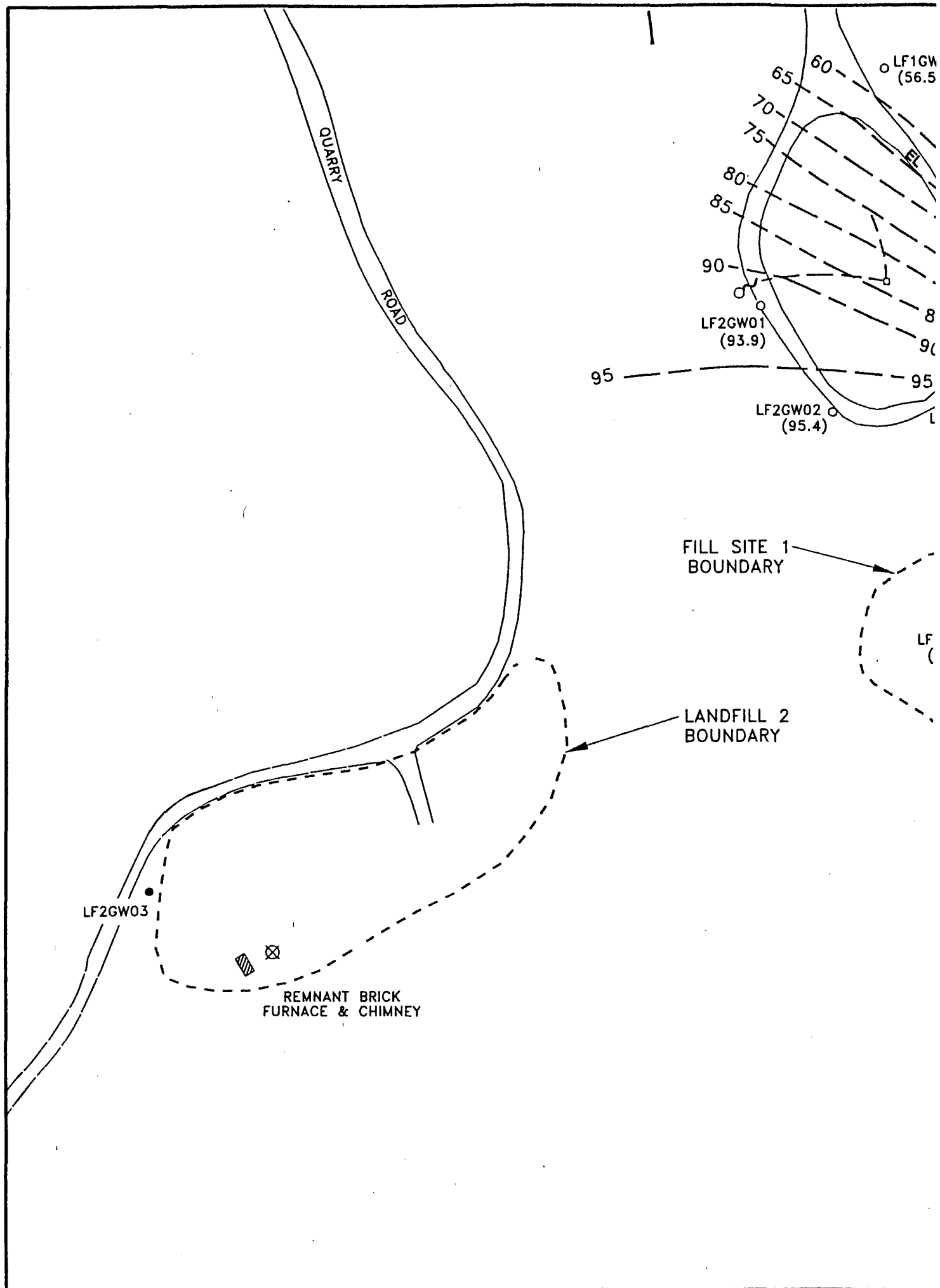
DAMES & MOORE

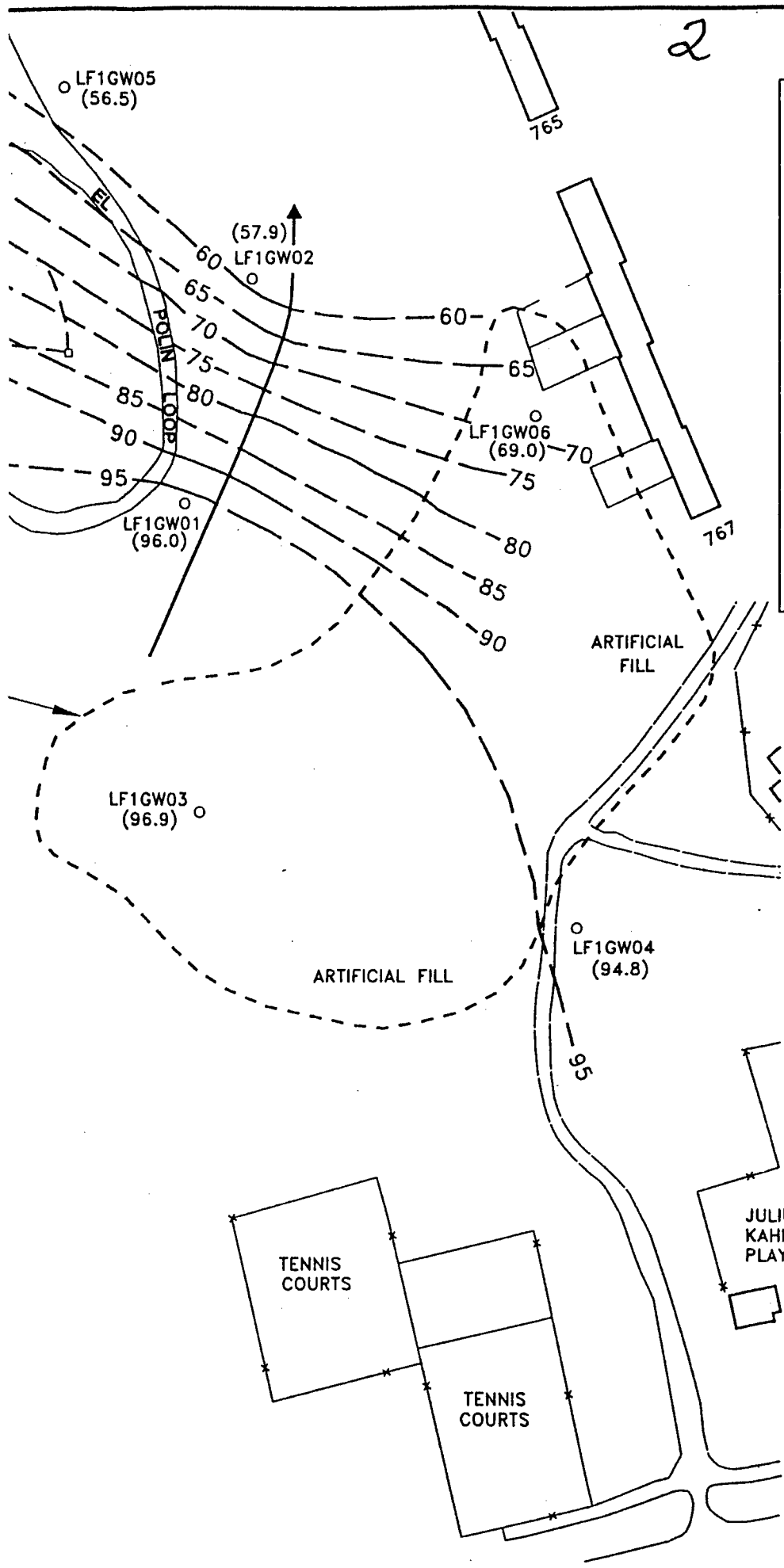
FILL SITE 1 & LANDFILL 2
DEBRIS FILL & LANDFILL MATERIAL
ISOPACHS

PSF25115/DV1

Date: January 1997

Figure 9.1-6

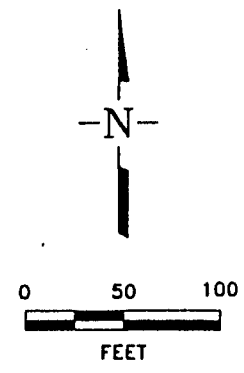




EXPLANATION

- SOIL BORING
- MONITORING WELL
POTENTIOMETRIC SURFACE
ELEVATION (9/10/92)
- ~ EL POLIN SPRING &
STREAM CHANNEL
- 60 — EQUIPOTENTIAL CONTOUR
(DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL 5 FEET
ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



DAMES & MOO

**FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE
SEPTEMBER 1992**

PSF25113/DV1

Date: January 1997	Figure 9.1-
--------------------	-------------

EXPLANATION

• SOIL BORING

○ MONITORING WELL
(56.5) POTENTIOMETRIC SURFACE
ELEVATION (9/10/92)

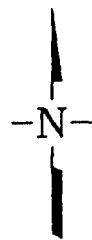
~ EL POLIN SPRING &
STREAM CHANNEL

— 60 — EQUIPOTENTIAL CONTOUR
(DASHED WHERE INFERRED)

→ GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL 5 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



JULIUS
KAHN
PLAYGROUND

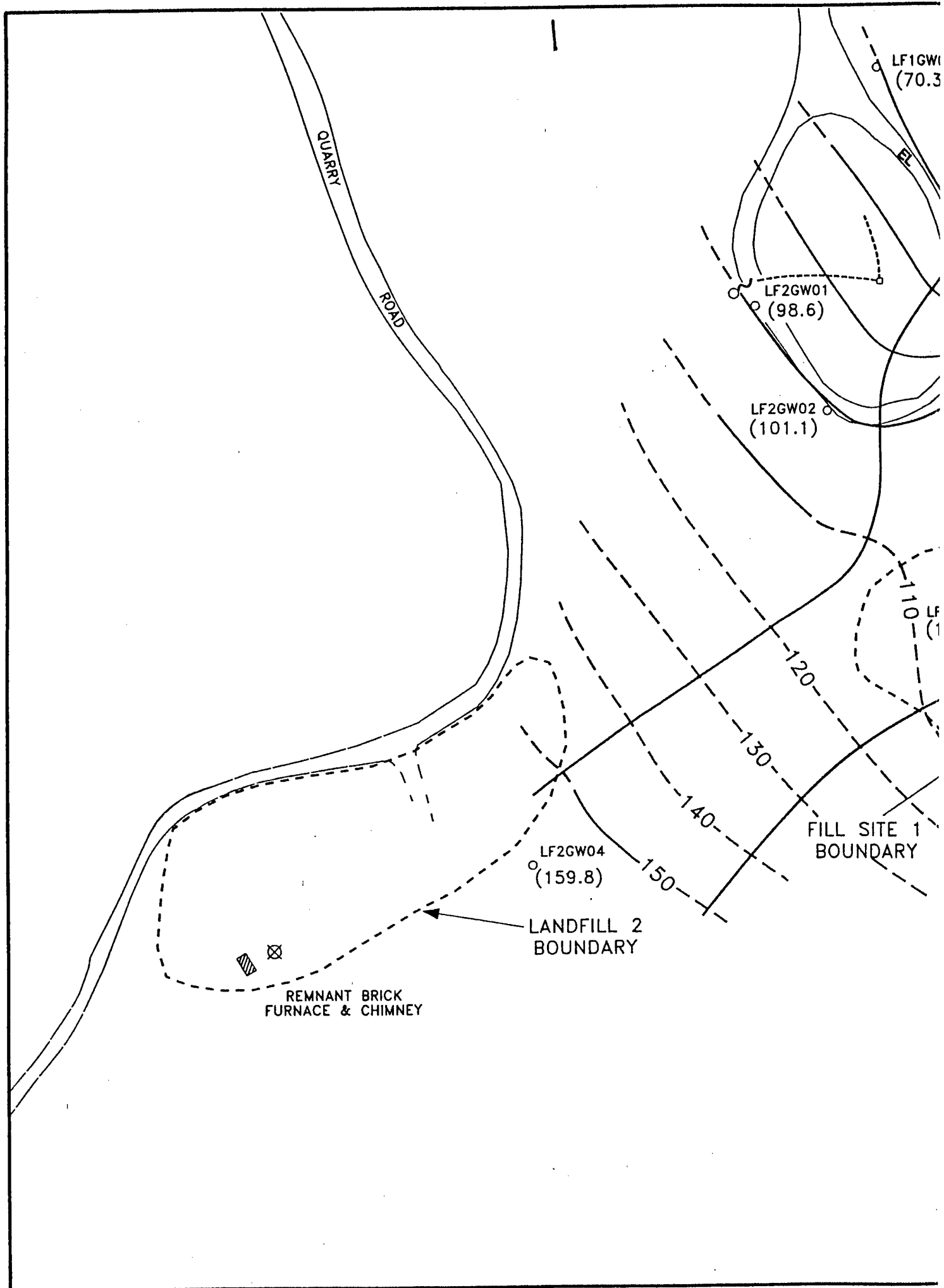
 **DAMES & MOORE**

**FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 1992**

PSF25113/DV1

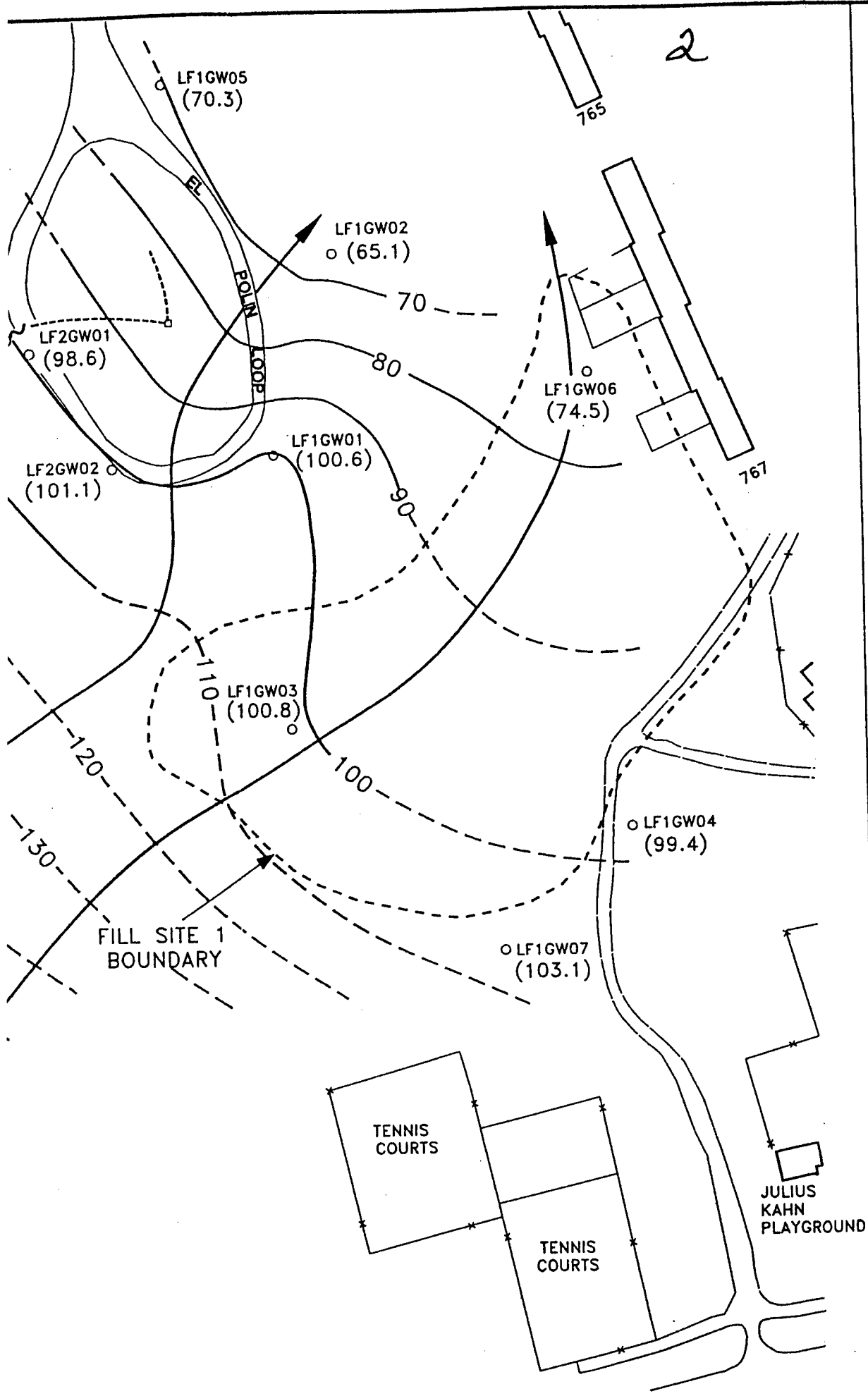
Date: January 1997

Figure 9.1-7



EXPLANAT

- MONITORING W
- (74.5) POTENTIOMETRI
- ELEVATION (03
- ~ EL POLIN SPR
- STREAM CHAN
- - - 70 - - - EQUIPOTENTIAL
- (DASHED WHE
- ↗ GROUNDWATER
- CONTOUR INTI
- ELEV
- FEET-PRESIDIO



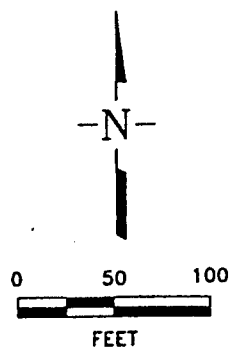
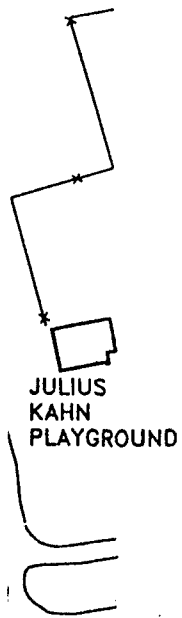
FILL SITE 1 &
POTENTIOMETRIK
MARC


PSF25067/DV1
Date: January 1997

3

EXPLANATION

- MONITORING WELL
- (74.5) POTENTIOMETRIC SURFACE ELEVATION (03/17/95)
- ~ EL POLIN SPRING & STREAM CHANNEL
- 70- EQUIPOTENTIAL CONTOUR, (DASHED WHERE INFERRED)
- ↗ GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL 10 FEET
- ELEVATION IN FEET-PRESIDIO LOWER LOW WATER



 **DAMES & MOORE**

**FILL SITE 1 & LANDFILL 2
POTENTIOMETRIC SURFACE MAP
MARCH 1995**

PSF25067/DV1

Date: January 1997

Figure 9.1-8

QUARRY
ROAD

LF2SS02	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

LF2SB04			
DEPTH	0.0'	5.0'	10.0'
LITHOLOGY	FILL	FILL	COLMA
Antimony	NA	NA	<0.5 n
Antimony-XRF	<25	<25	<25

LF2TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Antimony	<19.600

LF2TP02	
DEPTH	5.0'
LITHOLOGY	FILL
Antimony	184.205

LF2SS04	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

LF2TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Antimony	<19.600

LF2SB01		
DEPTH	3.0'	6.5'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

LF2SS05	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

LF2SB03	
DEPTH	8.0'
LITHOLOGY	FILL
Antimony-XRF	<25

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

LF2SB05	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony-XRF	<25

LF2SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

LF2SB06			
DEPTH	0.0'	4.7'	9.7'
LITHOLOGY	FILL	FILL	FILL
Antimony-XRF	<25	<25	<25

LF2SB02		
DEPTH	3.0'	2
LITHOLOGY	FILL	CC
Antimony	<41.300	<4

DAM
MATERIAL
(Artificial Fill)

LANDFILL 2
BOUNDARY

REMNANT BRICK
FURNACE & CHIMNEY

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAM
- △ SURFACE SOIL COM
- TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING & STREAM CHANNEL

- NOTE:
1. ALL CONCENTRATIONS ARE IN PPM
 2. DATA FOOTNOTE AND COMMENTS ARE INCLUDED AT THE END OF EACH SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF THE COMPOSITE SAMPLE LOCATION
 5. LF2TP01 & LF2TP02 ARE NOT POSTED. PLEASE SEE APPENDIX I FOR DETAILS.

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Antimony	<19.600

0.0'
ILL
1.600

DAM MATERIAL
(Artificial Fill)

DAM MATERIAL
(Artificial Fill)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

FILL SITE 1
BOUNDARY

LF2SB05			
DEPTH	0.0'	4.7'	8.0'
LITHOLOGY	FILL	FILL	FILL
Antimony-XRF	<25	<25	<25

NDFILL 2
BOUNDARY

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Antimony	<19.600

JULIUS
KAHN
PLAYGROUND

0 5
FE

TENNIS
COURTS

BKGSO02		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Antimony	<19.6	<19.6

TENNIS
COURTS

LF2SB02		
DEPTH	3.0'	23.0'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

DAMES

FILL SITE 1 AN
CONCENTRATIONS C

PSF26351

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING &
STREAM CHANNEL

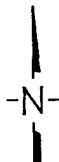
- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

LF1SS01
(Composite)

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	< 19.600

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Antimony	< 19.600

JULIUS
KAHN
PLAYGROUND



0 50 100
FEET



DAMES & MOORE

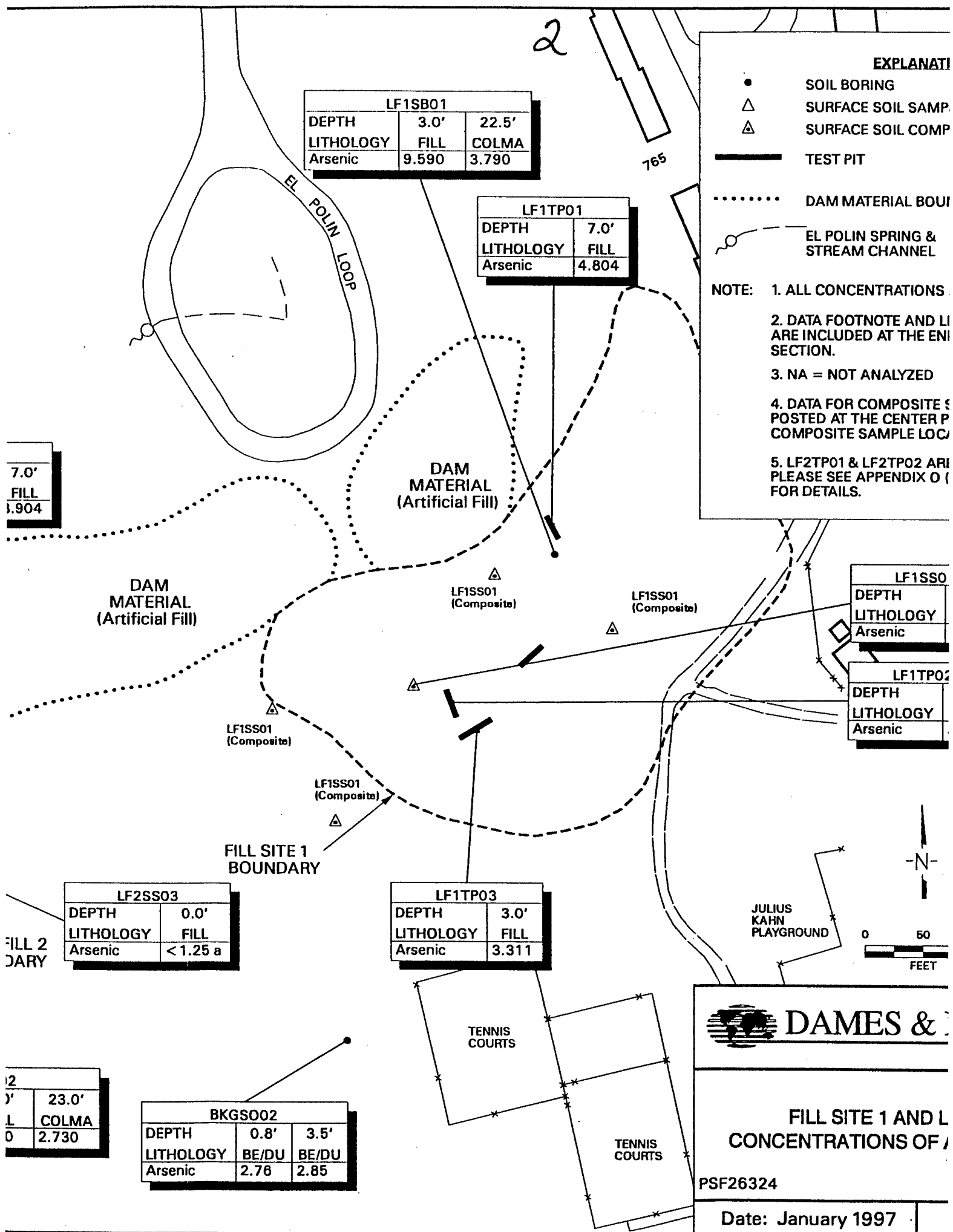
**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ANTIMONY IN SOIL**

PSF26351

Date: January 1997

Figure 9.1-9





EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

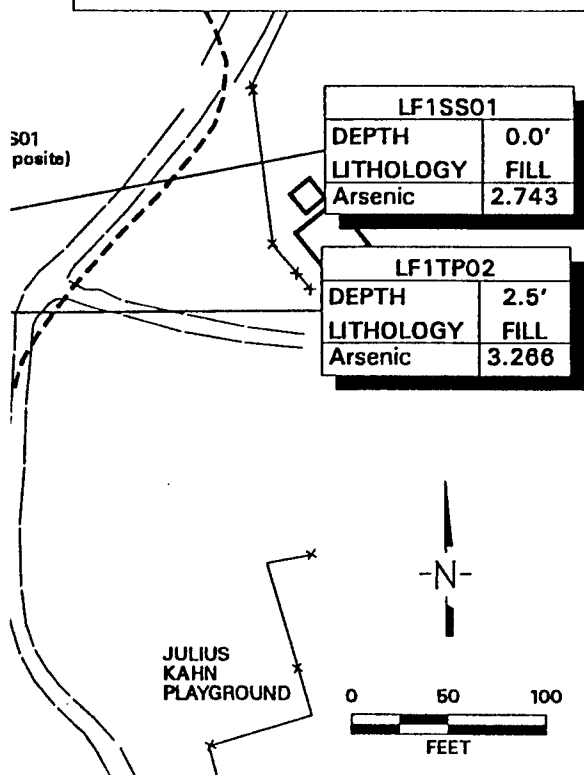
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.


DAMES & MOORE
**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ARSENIC IN SOIL**

PSF26324

Date: January 1997

Figure 9.1-10

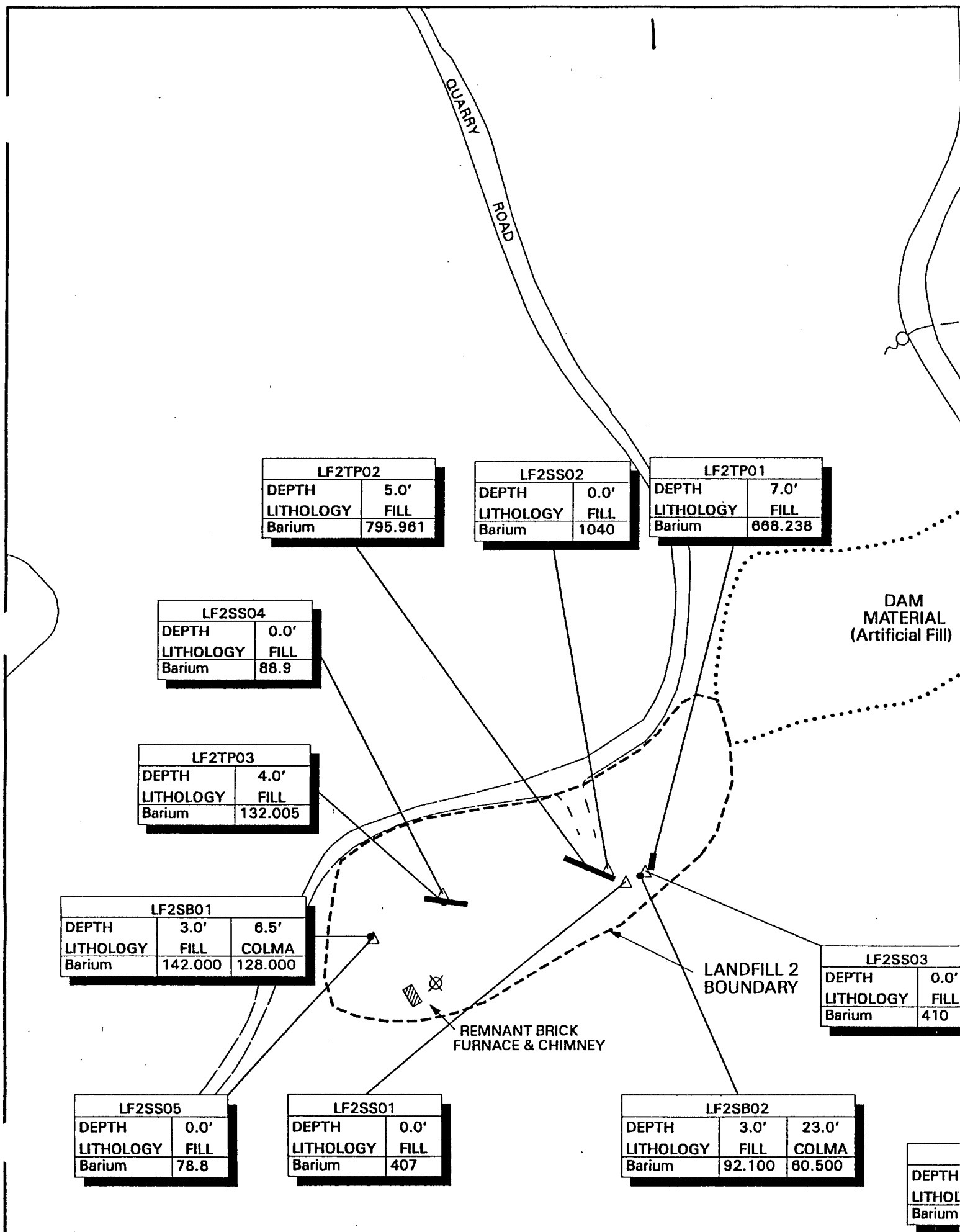
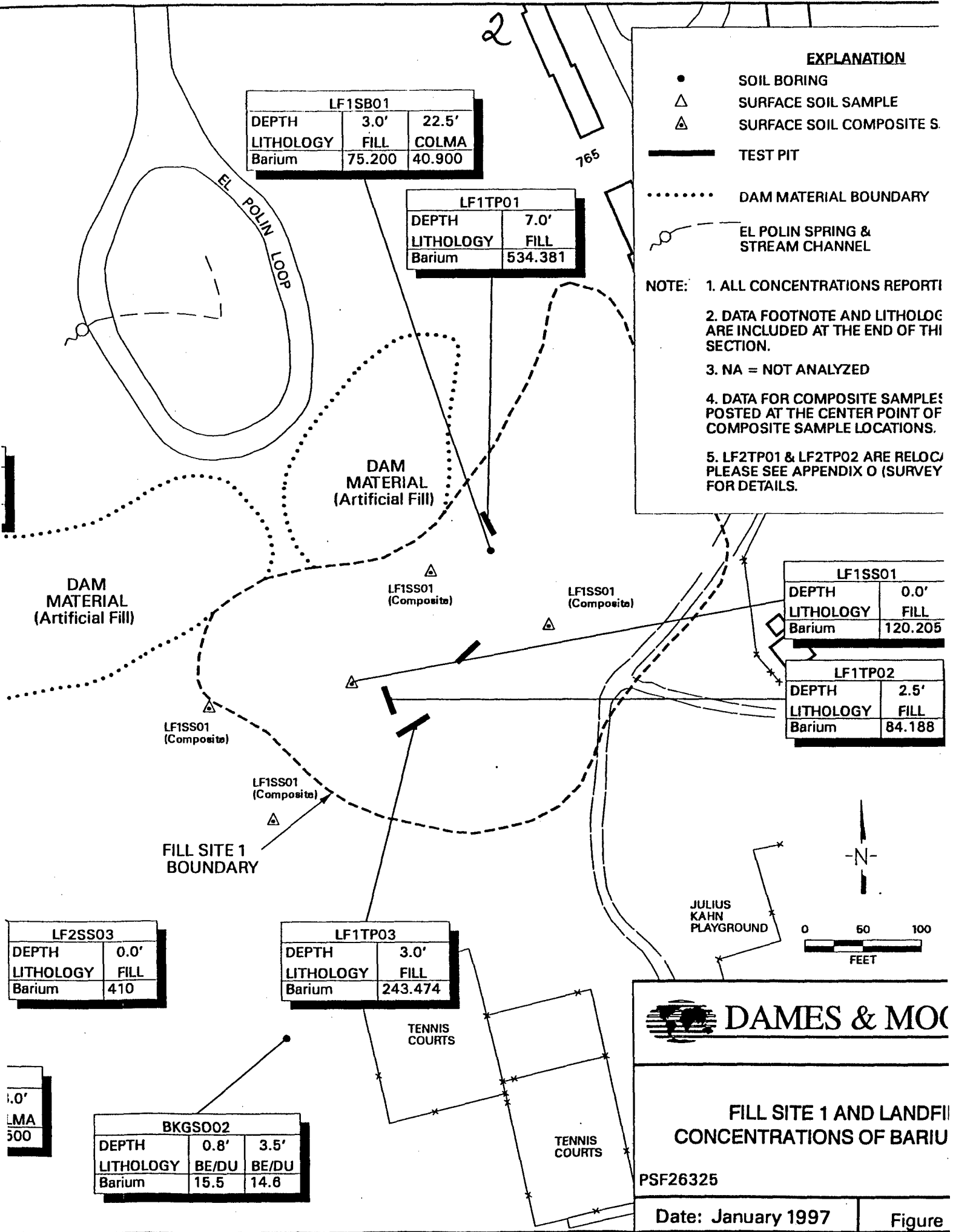


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



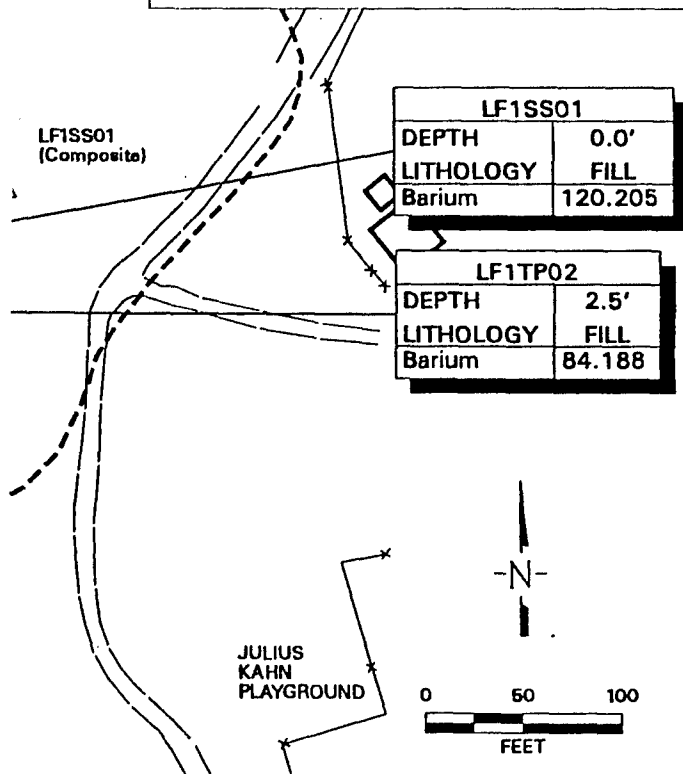
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

- TEST PIT
- DAM MATERIAL BOUNDARY

— EL POLIN SPRING &
STREAM CHANNEL

- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF BARIUM IN SOIL**

PSF26325

Date: January 1997

Figure 9.1-11

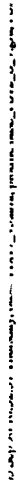


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING &
STREAM CHANNEL

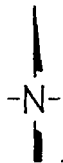
- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

LF1SS01
(Composite)

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Chromium	108.516

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Chromium	112.731

JULIUS
KAHN
PLAYGROUND



0 50 100
FEET



DAMES & MOORE

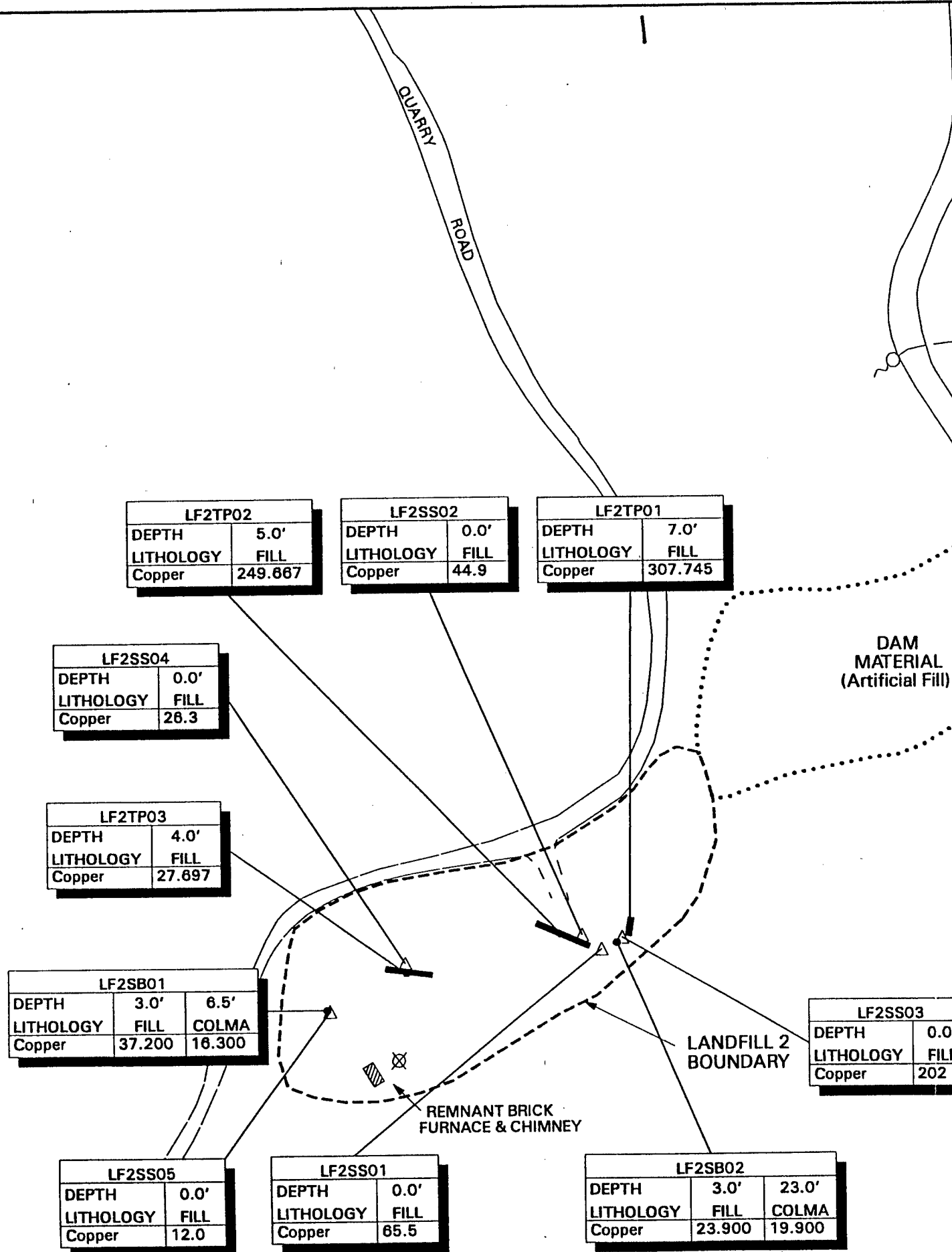
**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF CHROMIUM IN SOIL**

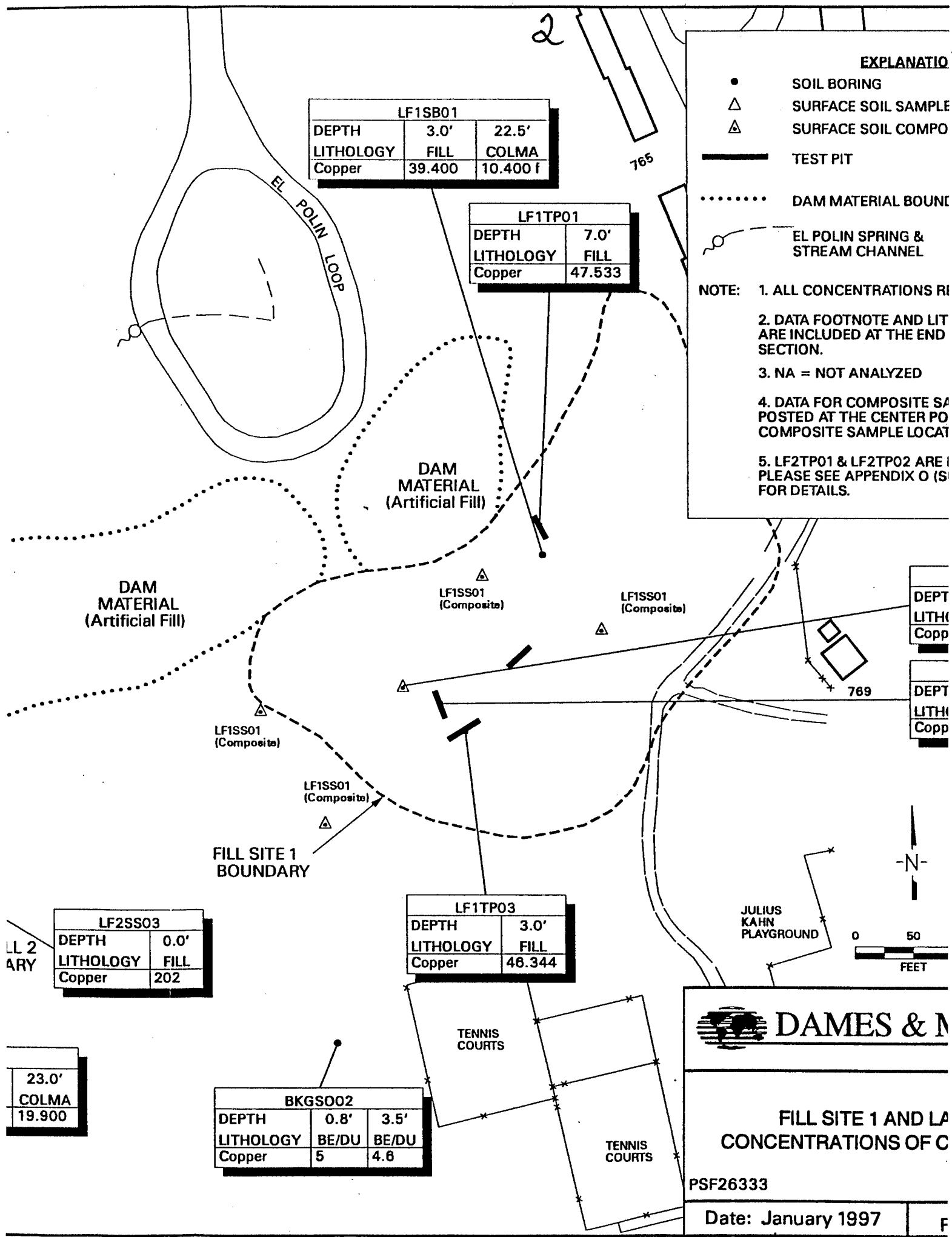
PSF26327

Date: January 1997

Figure 9.1-12

ENNIS
OURTS





LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Copper	39.400	10.400 f

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Copper	47.533

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPO
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:

1. ALL CONCENTRATIONS RI
2. DATA FOOTNOTE AND LIT ARE INCLUDED AT THE END SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SA POSTED AT THE CENTER PO COMPOSITE SAMPLE LOCAT
5. LF2TP01 & LF2TP02 ARE I PLEASE SEE APPENDIX O (S FOR DETAILS.

DEPT
LITH
Copp

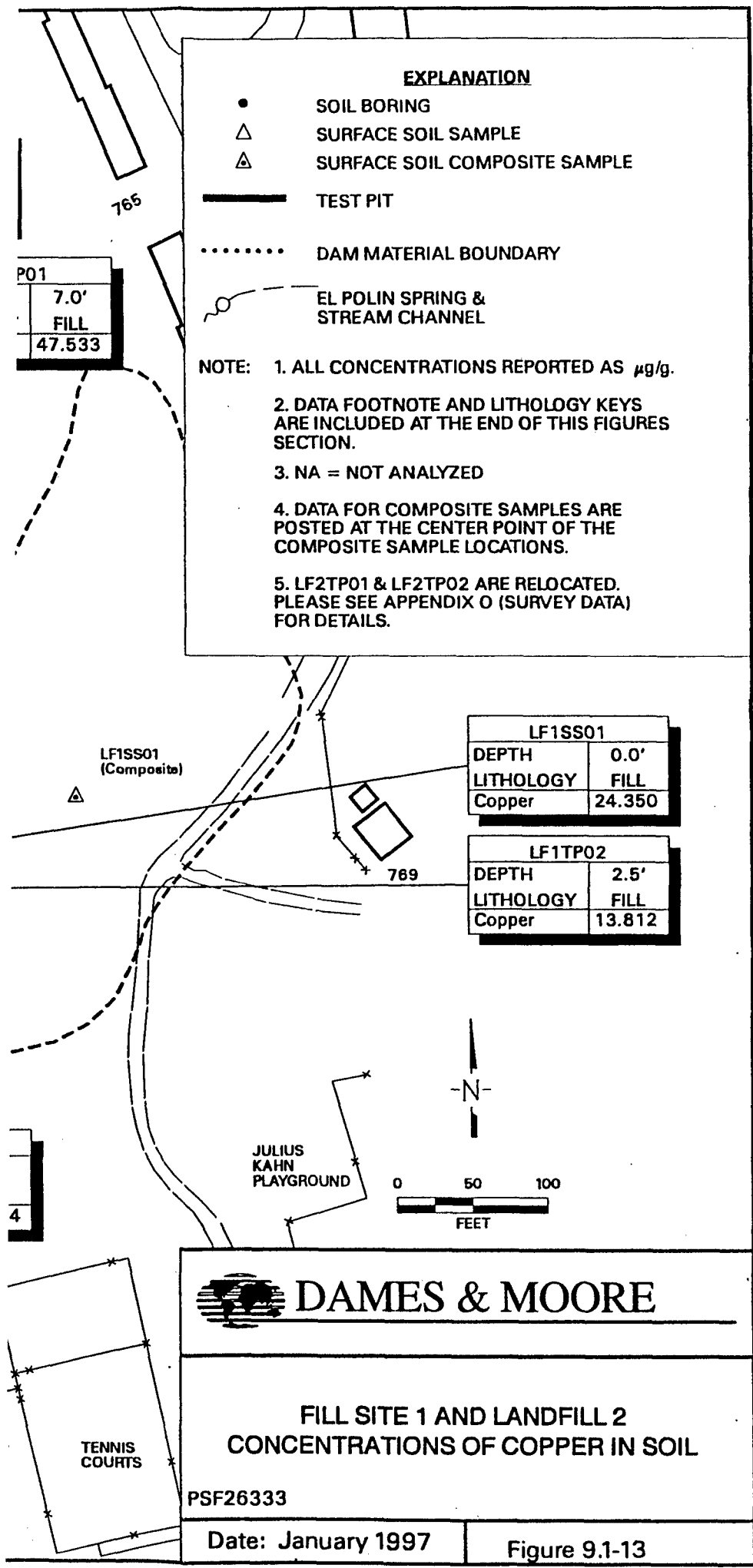
DEPT
LITH
Copp

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Copper	46.344

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Copper	5	4.6



FILL SITE 1 AND LA
CONCENTRATIONS OF C



QUARRY
ROAD

LF2TP02		
DEPTH	5.0'	
LITHOLOGY	FILL	
Iron	27560.520	

LF2SS02		
DEPTH	0.0'	
LITHOLOGY	FILL	
Iron	4000	

LF2TP01		
DEPTH	7.0'	
LITHOLOGY	FILL	
Iron	28368.666	

LF2SS04		
DEPTH	0.0'	
LITHOLOGY	FILL	
Iron	14100	

LF2TP03		
DEPTH	4.0'	
LITHOLOGY	FILL	
Iron	25687.424	

LF2SB01			
DEPTH	3.0'	6.5'	
LITHOLOGY	FILL	COLMA	
Iron	23000.000 a	21000.000 a	

LF2SS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Iron	19000	

LF2SS05		
DEPTH	0.0'	
LITHOLOGY	FILL	
Iron	12900	

LF2SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Iron	16400	

LF2SB02			
DEPTH	3.0'	23.0'	
LITHOLOGY	FILL	COLMA	
Iron	16000.000 a	29000.000 a	

DAM
MATERIAL
(Artificial Fill)

LANDFILL 2
BOUNDARY

REMNAANT BRICK
FURNACE & CHIMNEY

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED IN THIS REPORT ARE IN PPM (PARTS PER MILLION) UNLESS OTHERWISE NOTED.

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATION.

5. LF2TP01 & LF2TP02 ARE RELATIVE TO THE DAM MATERIAL BOUNDARY. PLEASE SEE APPENDIX O (SURVEY) FOR DETAILS.

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Iron	32000.000 a	25000.000 a

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Iron	49666.574

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	28255.859

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Iron	20898.941

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	19000

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Iron	33888.824

23.0'	
COLMA	29000.000 a

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Iron	21800	19900

JULIUS KAHN PLAYGROUND

0 50
FEET

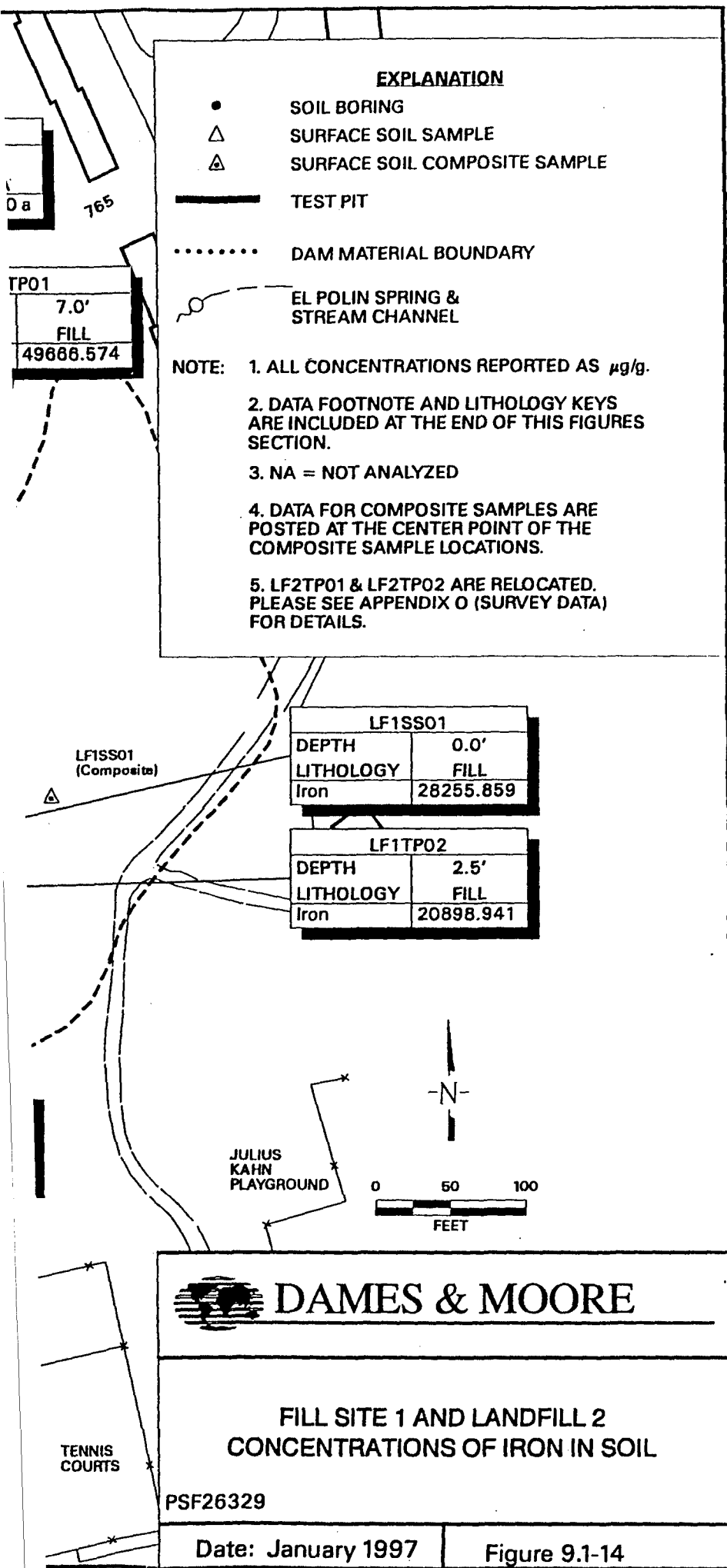
DAMES & MOORE

FILL SITE 1 AND LAND
CONCENTRATIONS OF IRON

PSF26329

Date: January 1997

Fig



QUARRY
ROAD

LF2SB07			
DEPTH	0.0'	5.0'	19.0'
LITHOLOGY	FILL	FILL	COLMA
Lead	192	253	4.2

LF2SB04			
DEPTH	0.0'	5.0'	10.0'
LITHOLOGY	FILL	FILL	COLMA
Lead-XRF	451	129	< 25

LF2TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Lead	875.292

LF2SS02	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	77.0

LF2TP02	
DEPTH	5.0'
LITHOLOGY	FILL
Lead	12065.431 a

LF2SS04	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	69.4

LF2TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Lead	92.640

LF2SB01		
DEPTH	3.0'	6.5'
LITHOLOGY	FILL	COLMA
Lead	170.000 a	6.310

LF2SS05	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	52.9

LF2SB03	
DEPTH	8.0'
LITHOLOGY	FILL
Lead-XRF	331

LF2SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	200

LF2SB06				
DEPTH	0.0'	4.7'	9.7'	18.0'
LITHOLOGY	FILL	FILL	FILL	COLMA
Lead	NA	NA	NA	2.97
Lead-XRF	45.2	904	2090	NA

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	353

LF2SB05			
DEPTH	0.0'	4.7'	8.0'
LITHOLOGY	FILL	FILL	FILL
Lead-XRF	110	< 25	69.8

LF2SB02		
DEPTH	3.0'	2
LITHOLOGY	FILL	CO
Lead	35.000 a	5.5

DAM
MATERIAL
(Artificial Fill)

LANDFILL 2
BOUNDARY

REMNANT BRICK
FURNACE & CHIMNEY

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SA
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED
 2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.
 5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY FOR DETAILS).

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Lead	20.000 a	3.780

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Lead	24.398

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	40.418

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Lead	101.088

LF2SS03	
TH	0.0'
IOLOGY	FILL
I	353

F2SB05		
0.0'	4.7'	8.0'
FILL	FILL	FILL
10	<25	69.8

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Lead	71.721

LF2SB02		
TH	3.0'	23.0'
OLOGY	FILL	COLMA
	35.000 a	5.550

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Lead	11.8	<7.44

DAM MATERIAL (Artificial Fill)

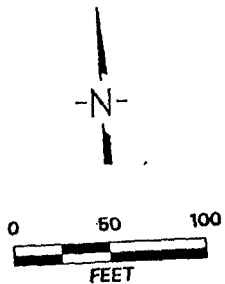
DAM MATERIAL (Artificial Fill)

FILL SITE 1 BOUNDARY

TENNIS COURTS

TENNIS COURTS

JULIUS KAHN PLAYGROUND



DAMES & MC

FILL SITE 1 AND LAND CONCENTRATIONS OF LEAD

PSF26335

Date: January 1997

Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

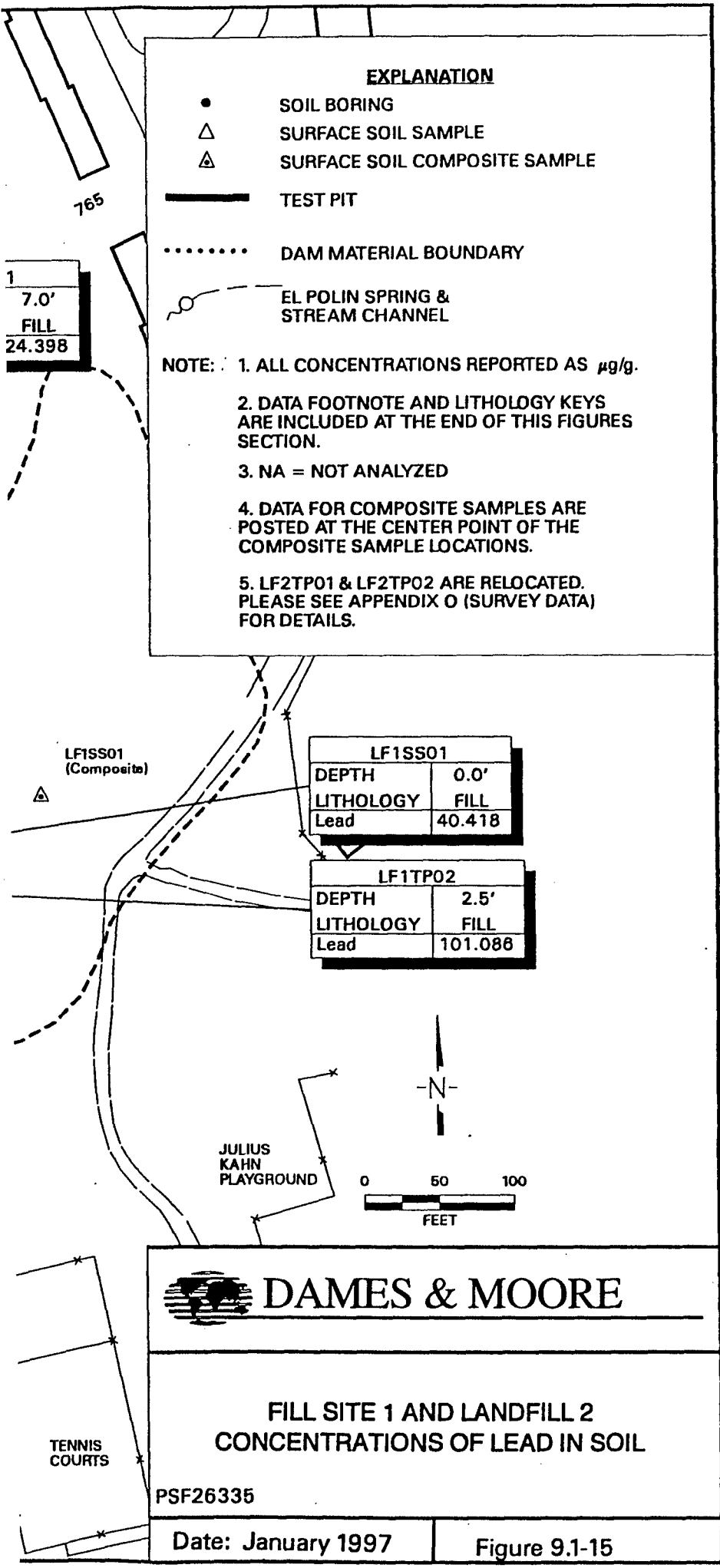
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF LEAD IN SOIL**

PSF26335

Date: January 1997

Figure 9.1-15

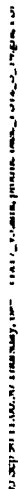


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSIT

- TEST PIT
- DAM MATERIAL BOUNDARY

EL POLIN SPRING & STREAM CHANNEL

- NOTE:
1. ALL CONCENTRATIONS REPORTED IN THIS SECTION ARE IN PPM.
 2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATION.
 5. LF2TP01 & LF2TP02 ARE REPOSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATION. PLEASE SEE APPENDIX O (SUPPORTING DATA) FOR DETAILS.

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Manganese	448.000	376.000

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Manganese	747.891

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Manganese	700.4

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Manganese	281.2

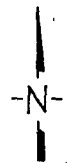
LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Manganese	879.290

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Manganese	381

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Manganese	178	178

23.0'
COLMA
3.000 f

JULIUS KAHN PLAYGROUND

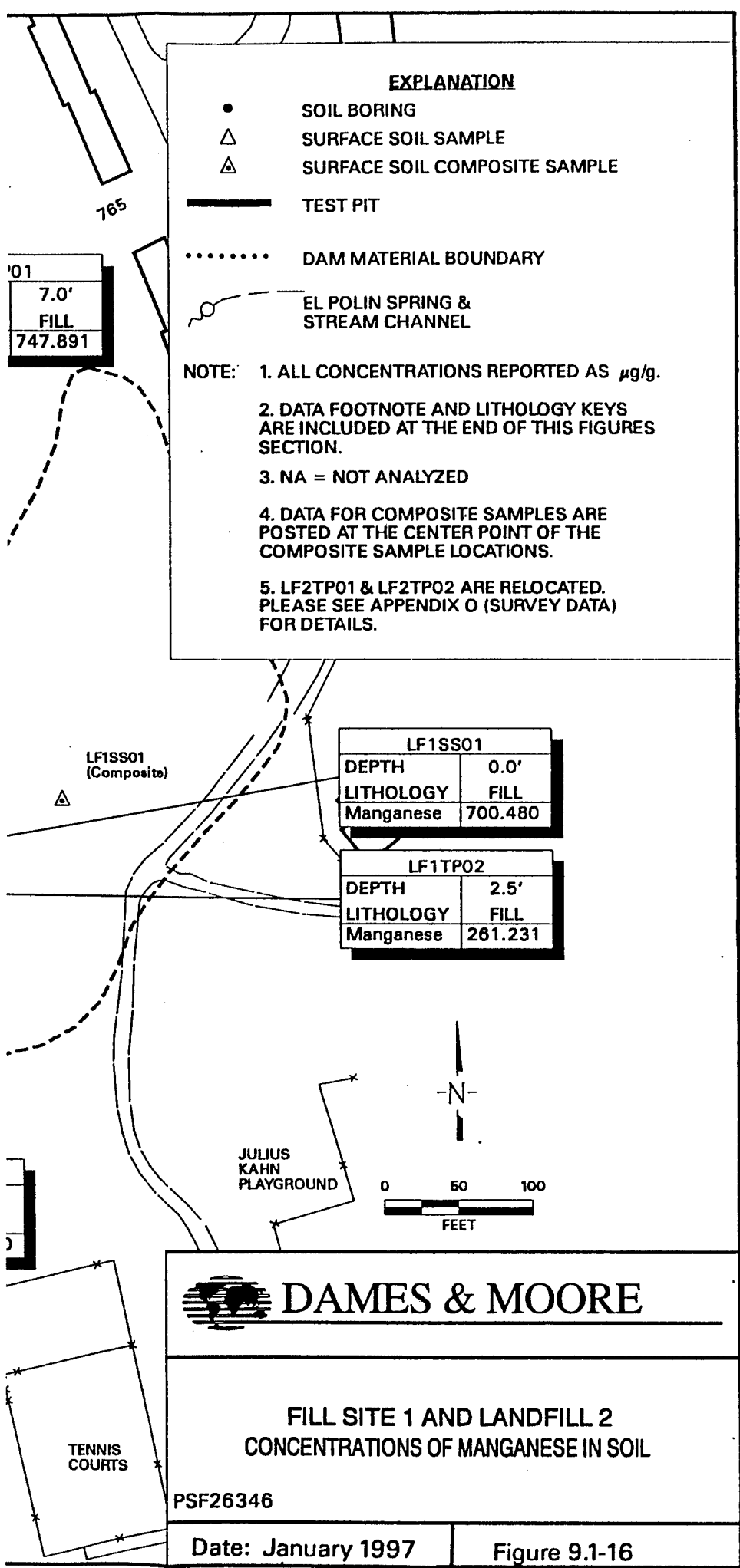


FILL SITE 1 AND LA
CONCENTRATIONS OF MANGANESE

PSF26346

Date: January 1997

F



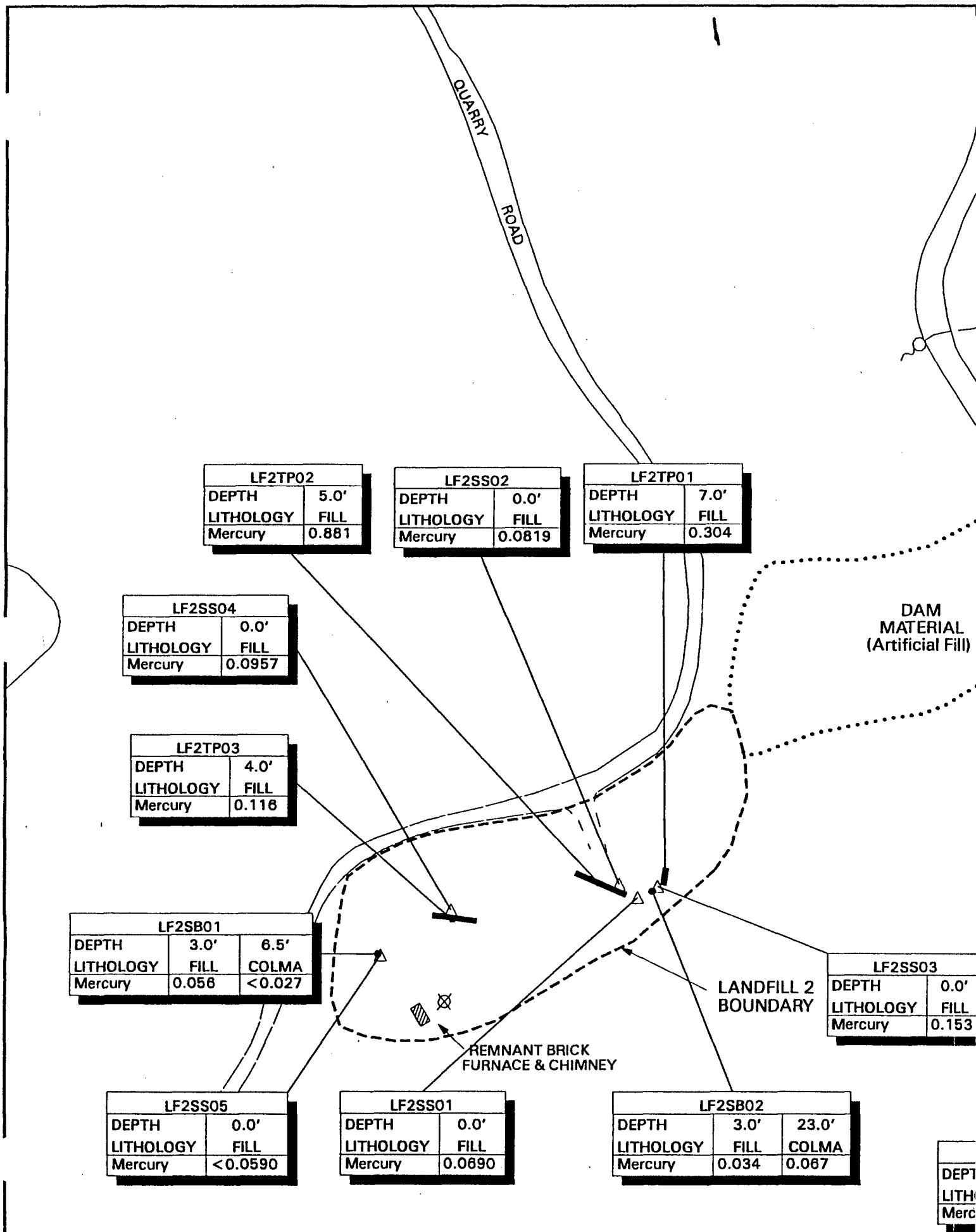


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLAN

- SOIL BORING
- △ SURFACE SOIL SA
- △ SURFACE SOIL CO

— TEST PIT

..... DAM MATERIAL B

○ EL POLIN SPRING
— STREAM CHANNE

- NOTE:**
1. ALL CONCENTRATIO
 2. DATA FOOTNOTE AN
ARE INCLUDED AT THE
SECTION.
 3. NA = NOT ANALYZE
 4. DATA FOR COMPOSI
POSTED AT THE CENTE
COMPOSITE SAMPLE L
 5. LF2TP01 & LF2TP02
PLEASE SEE APPENDIX
FOR DETAILS.

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Mercury	0.097	<0.027

LF1TP01		
DEPTH	7.0'	
LITHOLOGY	FILL	
Mercury	0.275	

DAM
MATERIAL
(Artificial Fill)

DAM
MATERIAL
(Artificial Fill)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF1SS0		
DEPTH		
LITHOLOGY		
Mercury		

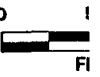
LF1TP0		
DEPTH		
LITHOLOGY		
Mercury		

LF1SS01
(Composite)

LF1SS01
(Composite)

FILL SITE 1
BOUNDARY

JULIUS
KAHN
PLAYGROUND



NDFILL 2
UNDARY

LF2SS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Mercury	0.153	

LF1TP03		
DEPTH	3.0'	
LITHOLOGY	FILL	
Mercury	0.073	

TENNIS
COURTS

TENNIS
COURTS

302	
1.0'	23.0'
FILL	COLMA
034	0.087

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Mercury	<0.05	<0.05



**FILL SITE 1 AN
CONCENTRATIONS C**

PSF26345

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING &
STREAM CHANNEL

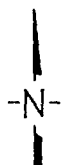
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

LF1SS01
(Composite)

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Mercury	0.132

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Mercury	0.188

JULIUS
KAHN
PLAYGROUND



0 50 100
FEET



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF MERCURY IN SOIL**

PSF26345

Date: January 1997

Figure 9.1-17

TENNIS
COURTS

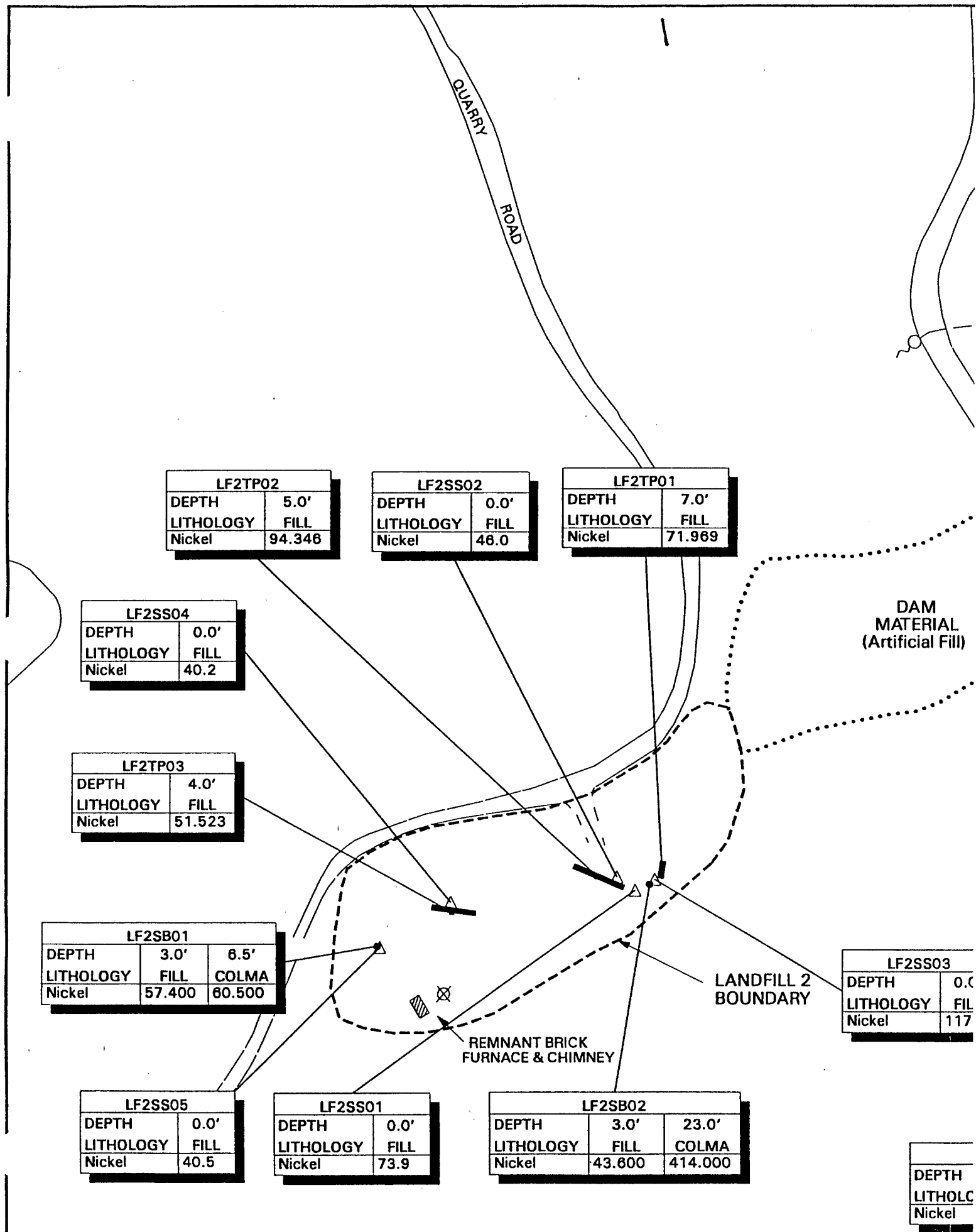


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Nickel	51.000	108.000

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Nickel	841.871

EXPLANATION	
•	SOIL BORING
△	SURFACE SOIL SAMPLE
△	SURFACE SOIL COMPOSI
—	TEST PIT
.....	DAM MATERIAL BOUNDA
—○—	EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPI
2. DATA FOOTNOTE AND LITHC ARE INCLUDED AT THE END OF SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMI POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATION
5. LF2TP01 & LF2TP02 ARE REL PLEASE SEE APPENDIX O (SUR FOR DETAILS.

DAM MATERIAL (Artificial Fill)

DAM MATERIAL (Artificial Fill)

LF1SS01 (Composite)

LF1SS01 (Composite)

LF1SS01 (Composite)

LF1:	
DEPTH	
LITHOLOGY	
Nickel	

LF1	
DEPTH	
LITHOLOGY	
Nickel	

LF1SS01 (Composite)

FILL SITE 1 BOUNDARY

LF2SS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Nickel	117	

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Nickel	153.942

TENNIS COURTS

TENNIS COURTS

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Nickel	24.4	25.3

JULIUS KAHN PLAYGROUND



FILL SITE 1 AND LANDI CONCENTRATIONS OF NICK

PSF26330

Date: January 1997

Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

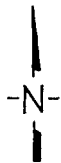
LF1SS01
(Composite)

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	113.183

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Nickel	97.150

769

JULIUS
KAHN
PLAYGROUND



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF NICKEL IN SOIL**

PSF26330

Date: January 1997

Figure 9.1-18

ENNIS
OURTS



FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Selenium	1.280	0.548

LF1TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Selenium	<0.449

- SOI
- △ SUP
- △ SUP
- TES
- DAI
- EL F
- STF

NOTE: 1. ALL CO
2. DATA I
ARE INCI
SECTION
3. NA = I
4. DATA I
POSTED
COMPOS
5. LF2TP
PLEASE
FOR DET

TP01	
7.0'	
Y FILL	
<0.449	

DAM MATERIAL
(Artificial Fill)

DAM MATERIAL
(Artificial Fill)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF1SS01
(Composite)

LF1SS01
(Composite)

FILL SITE 1
BOUNDARY

LF1TP03	
DEPTH	3.0'
LITHOLOGY	FILL
Selenium	<0.449

JULIUS
KAHN
PLAYGROUND

LANDFILL 2
BOUNDARY

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Selenium	<0.416 p

LF2SB02		
DEPTH	3.0'	23.0'
LITHOLOGY	FILL	COLMA
Selenium	0.446	0.817

BKGS002		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Selenium	<0.449	<0.449

TENNIS
COURTS

TENNIS
COURTS



FILL
CONCENTR

PSF26332

Date: Januar

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING &
STREAM CHANNEL

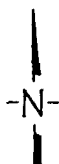
- NOTE:
1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
 5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.

LF1SS01
(Composite)

LF1SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Selenium	<0.449

LF1TP02	
DEPTH	2.5'
LITHOLOGY	FILL
Selenium	<0.449

JULIUS
KAHN
PLAYGROUND



0 50 100
FEET

3.0'
FILL
<0.449

TENNIS
COURTS



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2 CONCENTRATIONS OF SELENIUM IN SOIL

PSF26332

Date: January 1997

Figure 9.1-19

QUARRY
ROAD

LF2TP02	
DEPTH	5.0'
LITHOLOGY	FILL
Silver	20.241

LF2SS02	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	<0.400

LF2TP01	
DEPTH	7.0'
LITHOLOGY	FILL
Silver	11.308

LF2SS04	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	<0.400

LF2TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Silver	<0.803

LF2SB01		
DEPTH	3.0'	6.5'
LITHOLOGY	FILL	COLMA
Silver	<0.521	<0.521

LF2SS05	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	<0.400

LF2SS01	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	1.48

LF2SB02		
DEPTH	3.0'	23.0'
LITHOLOGY	FILL	COLMA
Silver	<0.521	<0.521

LF2SS03	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	1.57

DAM
MATERIAL
(Artificial Fill)

LANDFILL 2
BOUNDARY

REMNANT BRICK
FURNACE & CHIMNEY

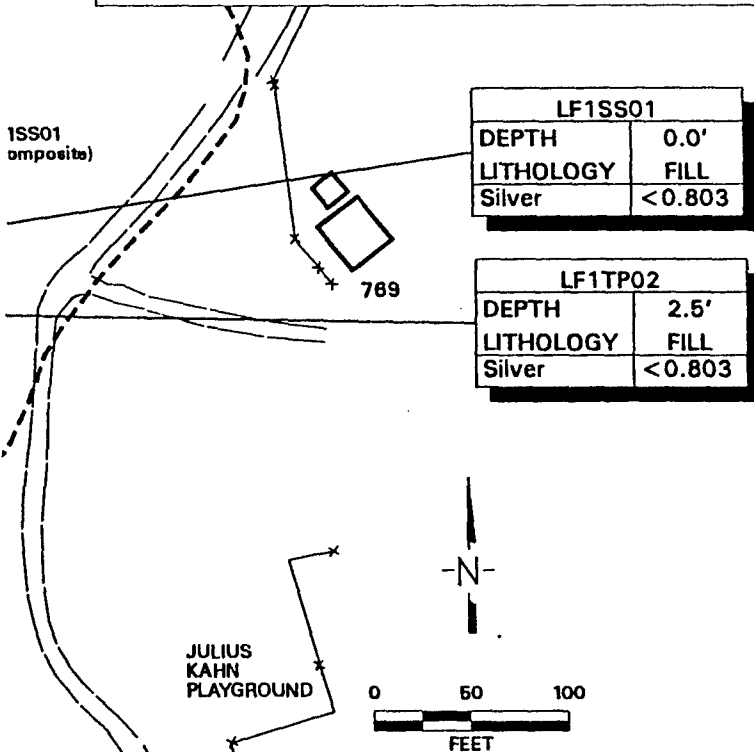
DEPTH
LITHOLOGY
Silver

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE:

1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



FILL SITE 1 AND LANDFILL 2 CONCENTRATIONS OF SILVER IN SOIL

PSF26338

Date: January 1997

Figure 9.1-20

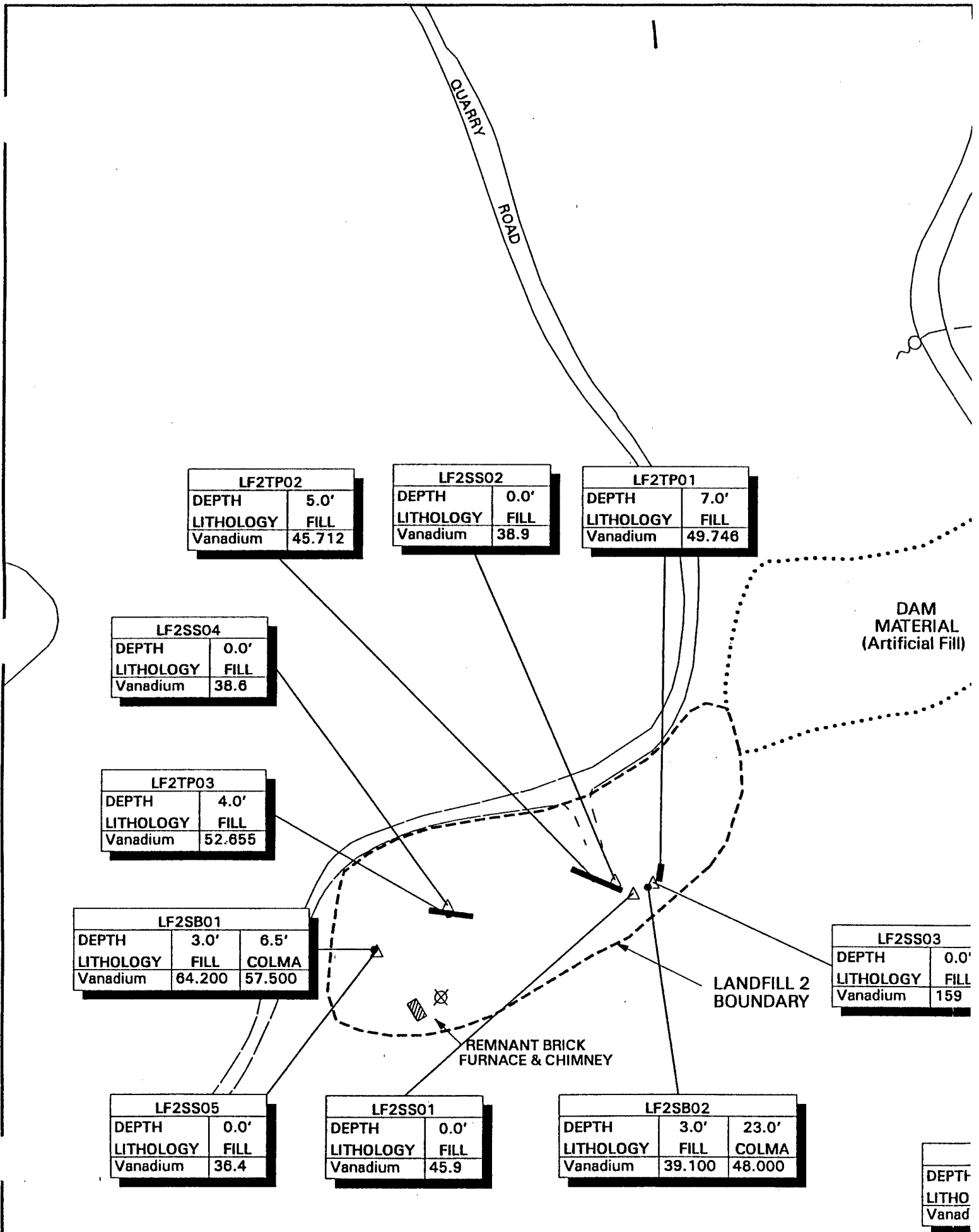
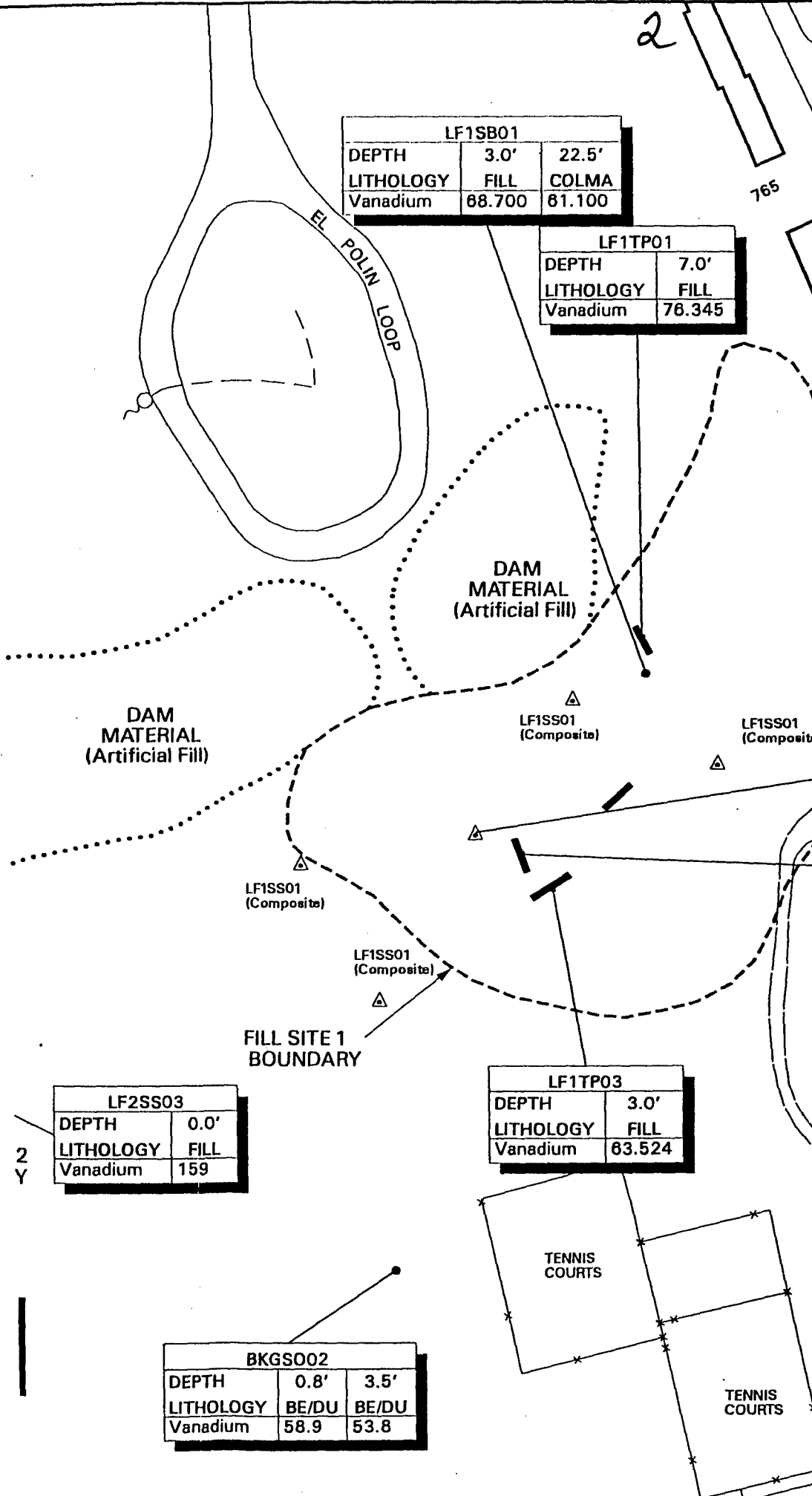


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOS
- TEST PIT
- DAM MATERIAL BOUND
- EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REF
 2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAN POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATIC
 5. LF2TP01 & LF2TP02 ARE RE PLEASE SEE APPENDIX O (SUF FOR DETAILS.

LF1SB01		
DEPTH	3.0'	22.5'
LITHOLOGY	FILL	COLMA
Vanadium	68.700	61.100

LF1TP01		
DEPTH	7.0'	
LITHOLOGY	FILL	
Vanadium	76.345	

LF1SS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Vanadium	60.605	

LF1TP02		
DEPTH	2.5'	
LITHOLOGY	FILL	
Vanadium	43.923	

LF1TP03		
DEPTH	3.0'	
LITHOLOGY	FILL	
Vanadium	63.524	

LF2SS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Vanadium	159	

BKGSO02		
DEPTH	0.8'	3.5'
LITHOLOGY	BE/DU	BE/DU
Vanadium	58.9	53.8

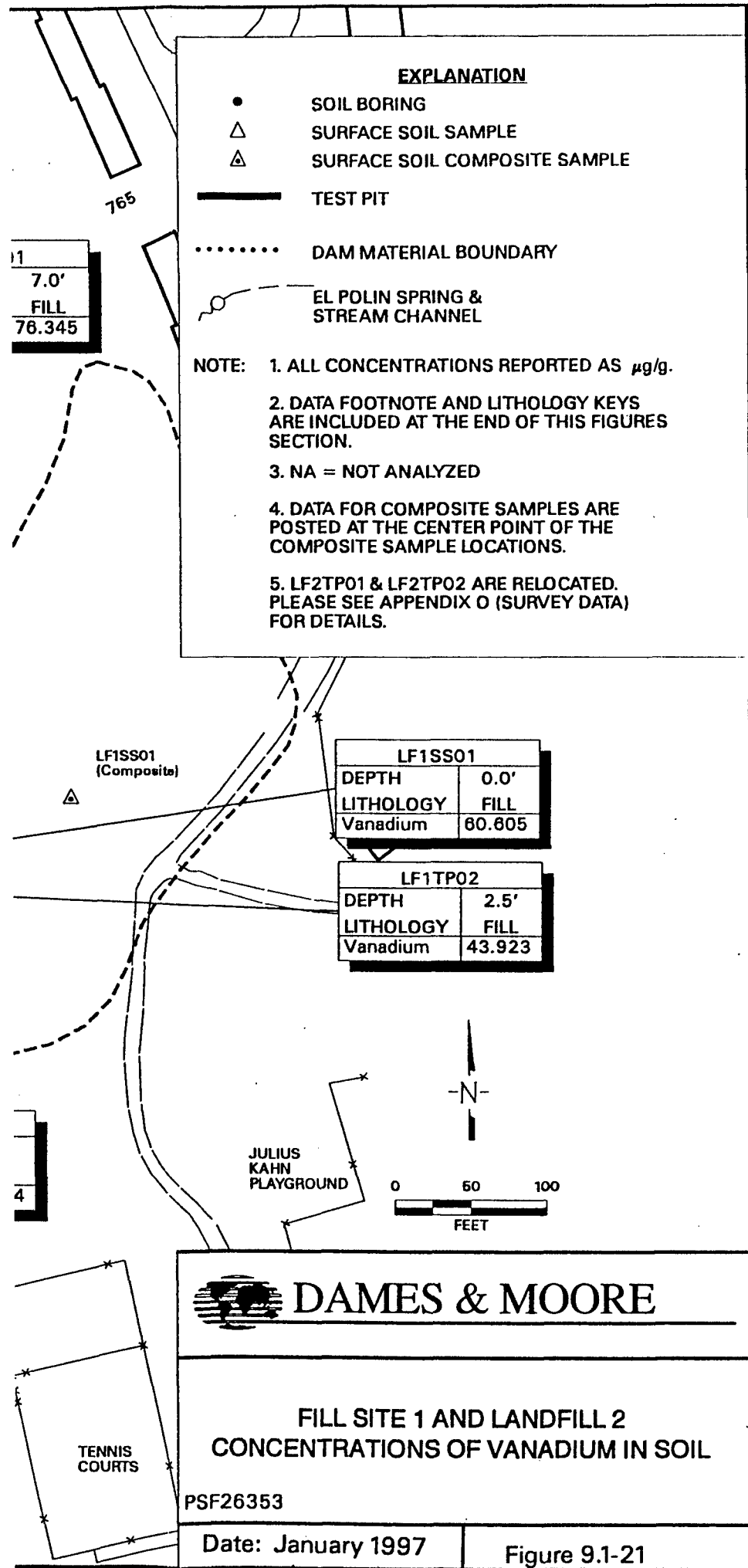
DAMES & MO

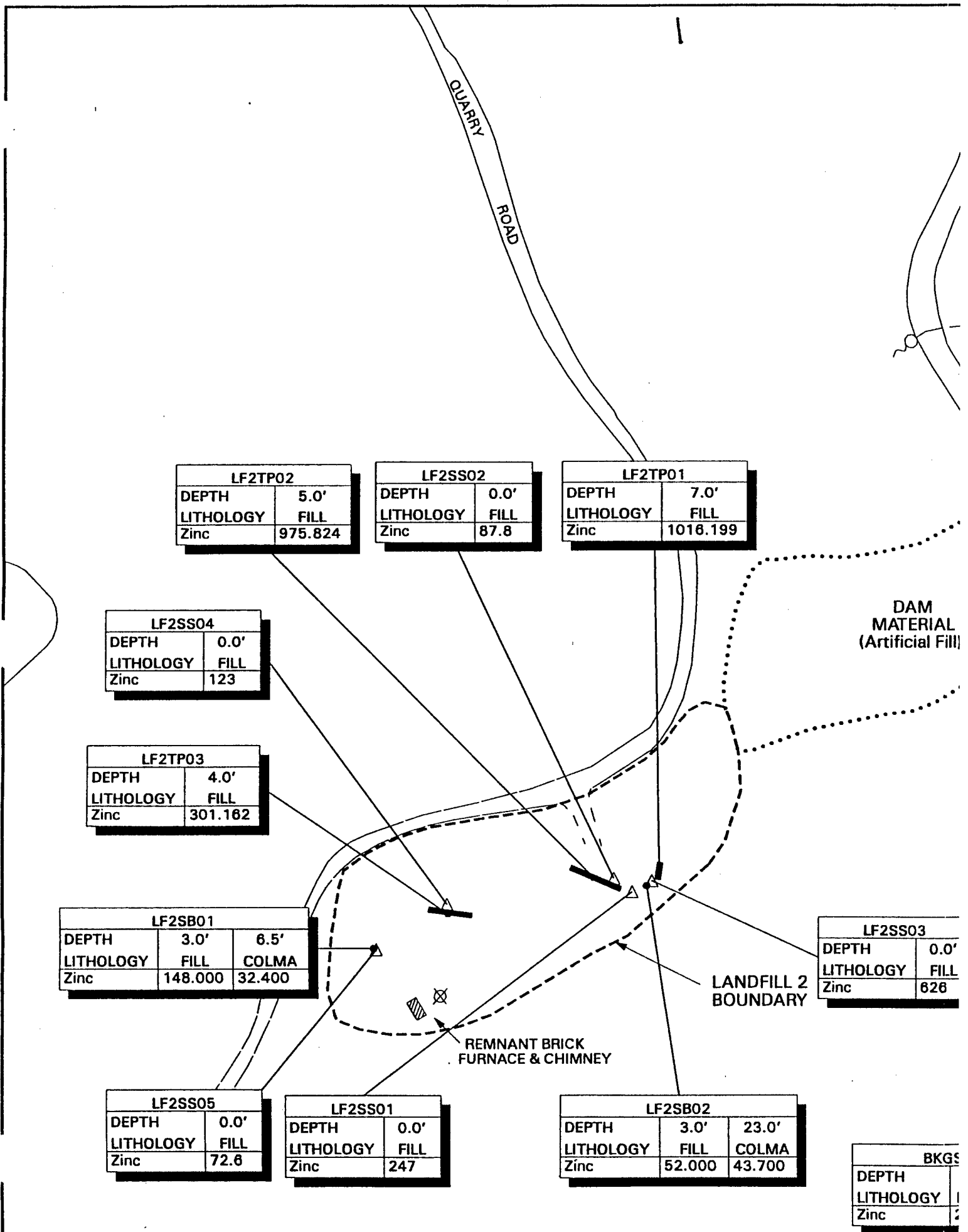
FILL SITE 1 AND LAND CONCENTRATIONS OF VANA

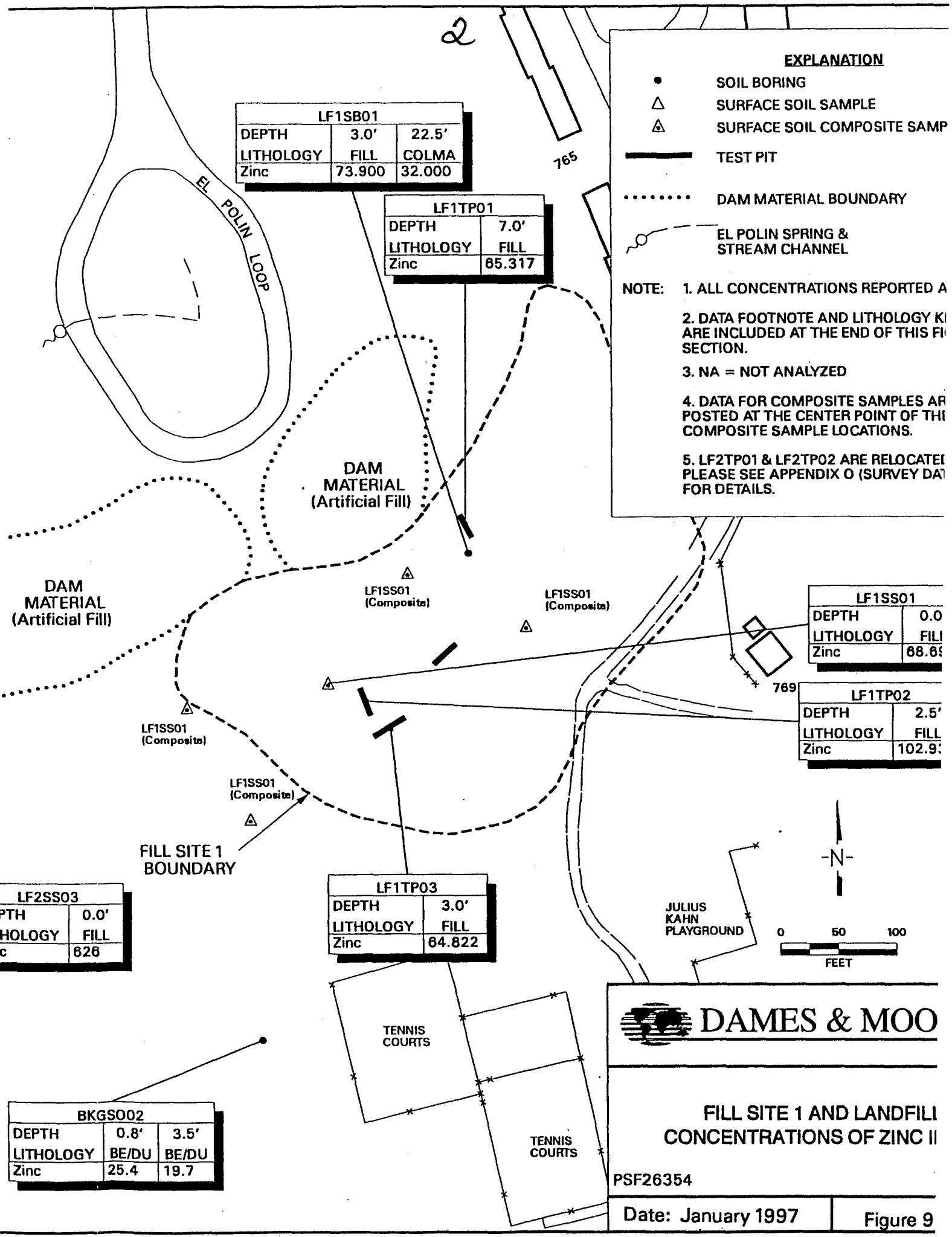
PSF26353

Date: January 1997

Figur







EXPLANATION

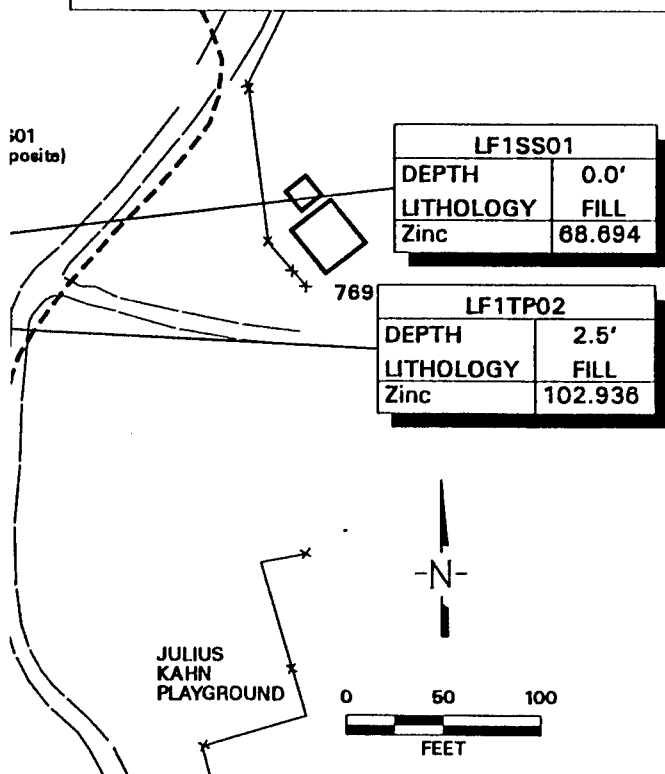
- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

— EL POLIN SPRING & STREAM CHANNEL

- NOTE:**
1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
 5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



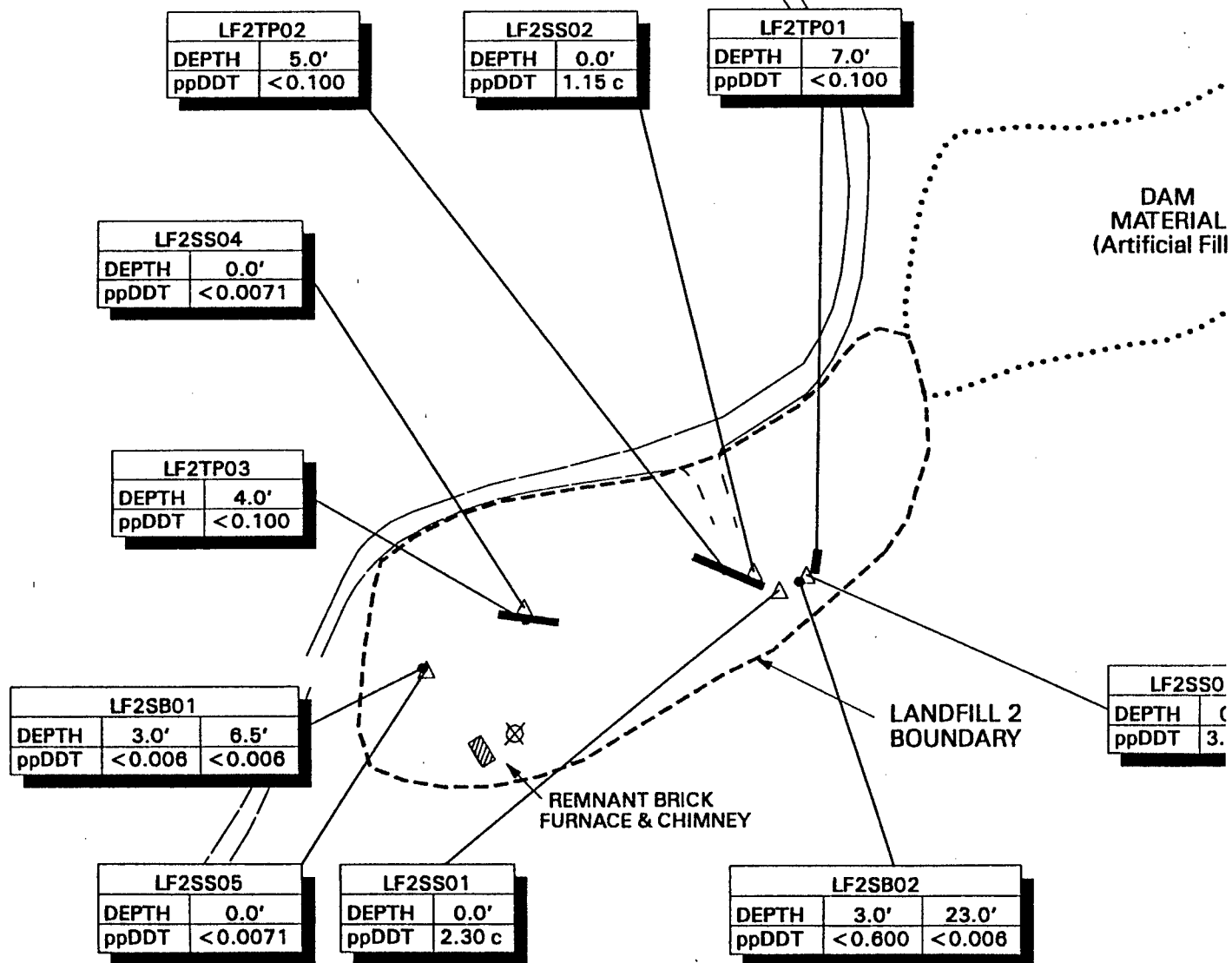
DAMES & MOORE

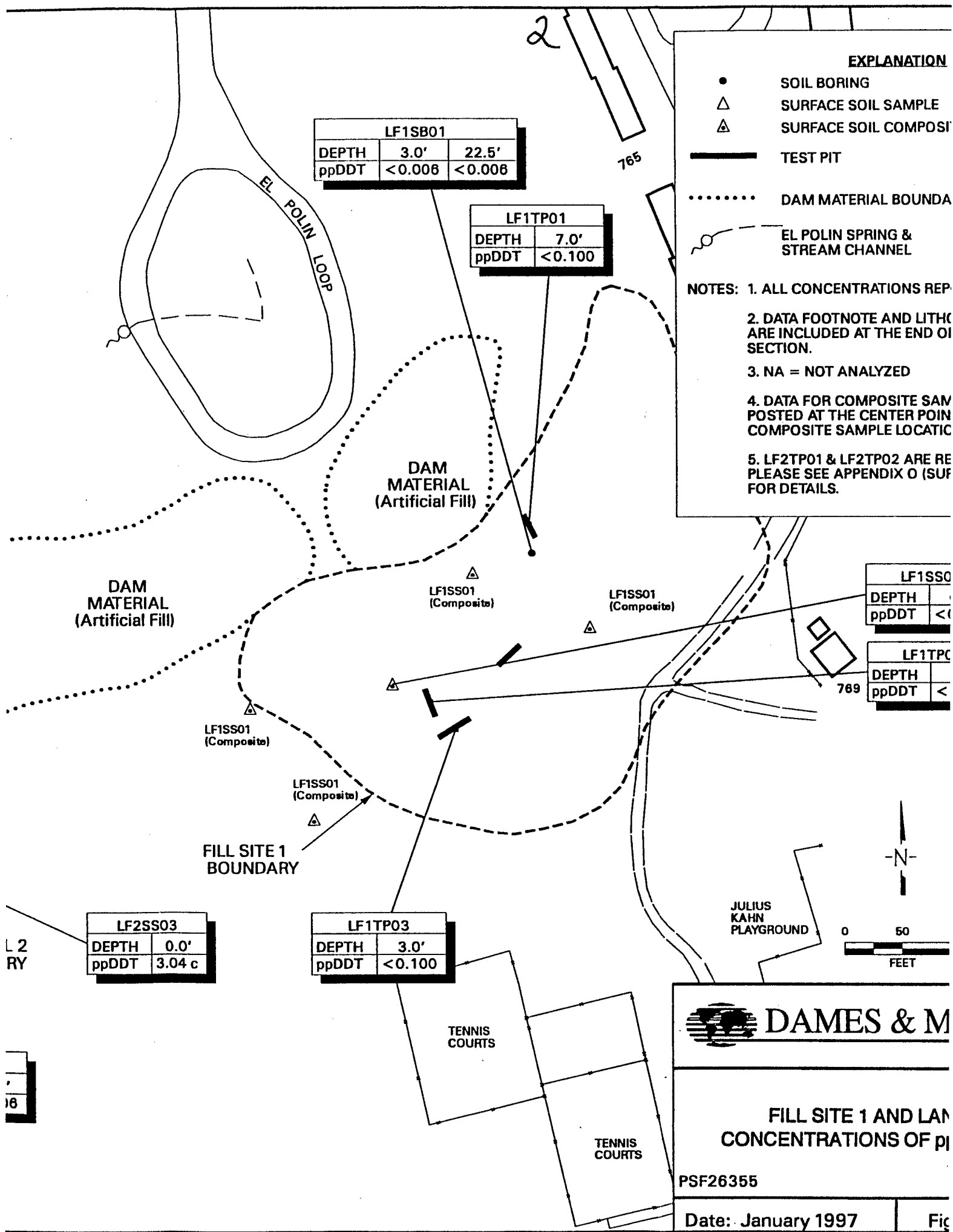
**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF ZINC IN SOIL**

PSF26354

Date: January 1997

Figure 9.1-22

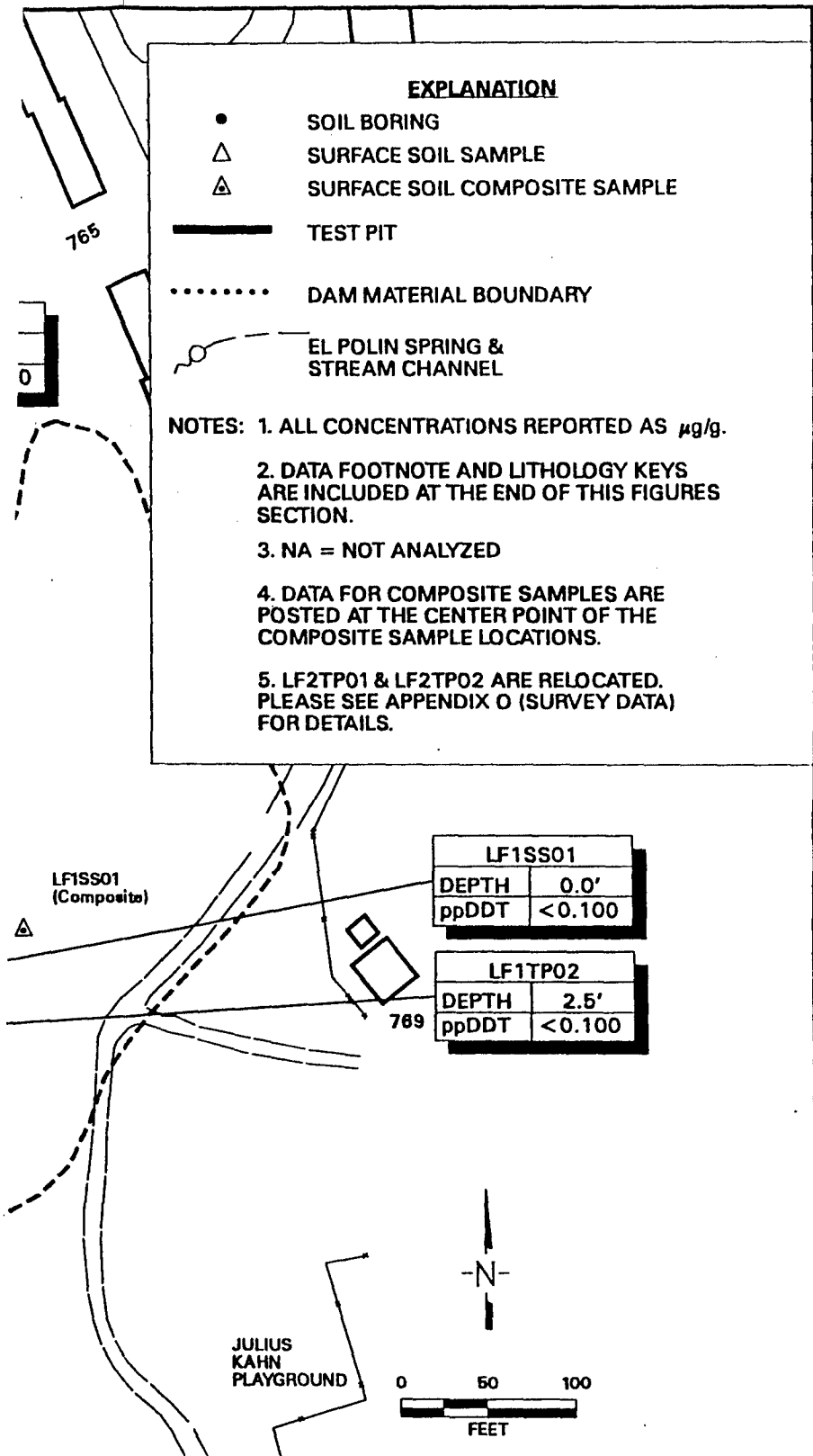




EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.
5. LF2TP01 & LF2TP02 ARE RELOCATED. PLEASE SEE APPENDIX O (SURVEY DATA) FOR DETAILS.



DAMES & MOORE

FILL SITE 1 AND LANDFILL 2 CONCENTRATIONS OF ppDDT IN SOIL

PSF26355

Date: January 1997

Figure 9.1-23

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	NA	114	120
Barium (F)	42.800	79.400	70.0	61

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	NA	53.0	77
Barium (F)	32.100	39.900	49.0	55

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Barium	NA	NA	67.0
Barium (F)	79.5	70.900	64.0

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	60.800	59.0	56
Barium (F)	19.300	43.900	58.0	53

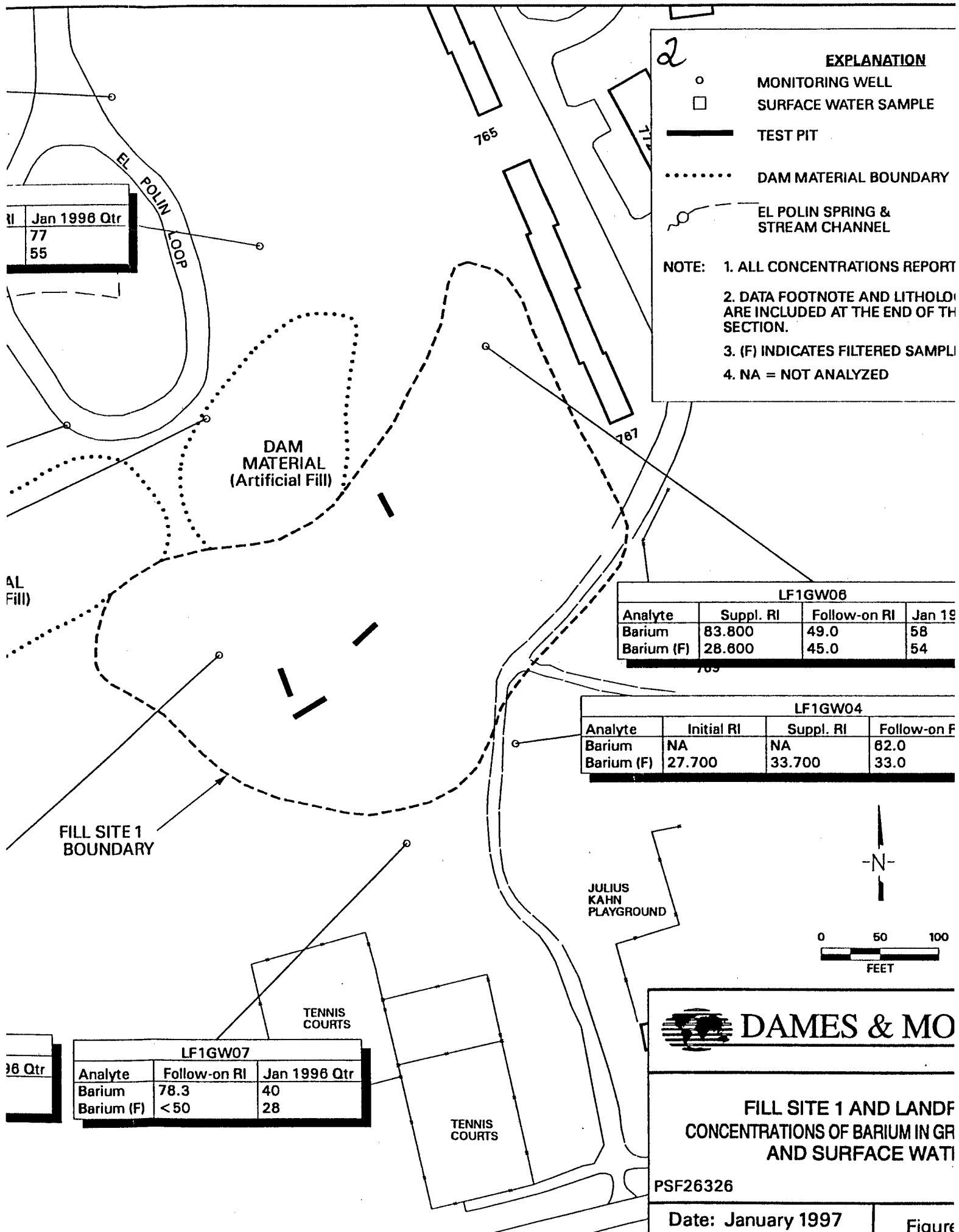
LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	NA	214	267
Barium (F)	91.600	153.000	202	251

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	NA	149	150
Barium (F)	77.700	173.000	142	160

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	144	110
Barium (F)	76.7	110

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	120.000	132	110
Barium (F)	43.800	81.600	113	110

Analyte
Barium
Barium (F)



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE

— TEST PIT

..... DAM MATERIAL BOUNDARY

~ EL POLIN SPRING &
STREAM CHANNEL

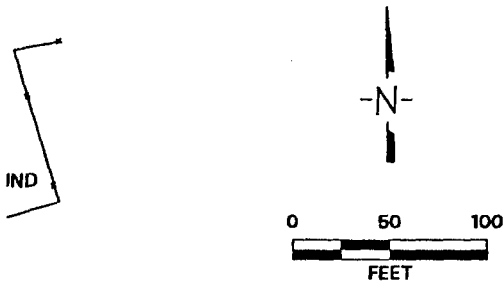
- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

LF1GW06

alyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
ium	83.800	49.0	58
ium (F)	28.600	45.0	54

LF1GW04

	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	NA	NA	62.0	35
2)	27.700	33.700	33.0	39



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
CONCENTRATIONS OF BARIUM IN GROUNDWATER
AND SURFACE WATER**

PSF26326

Date: January 1997

Figure 9.1-24

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	NA	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	NA	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Cadmium	NA	NA	4.00
Cadmium (F)	< 6.78	< 4.010	< 3.00

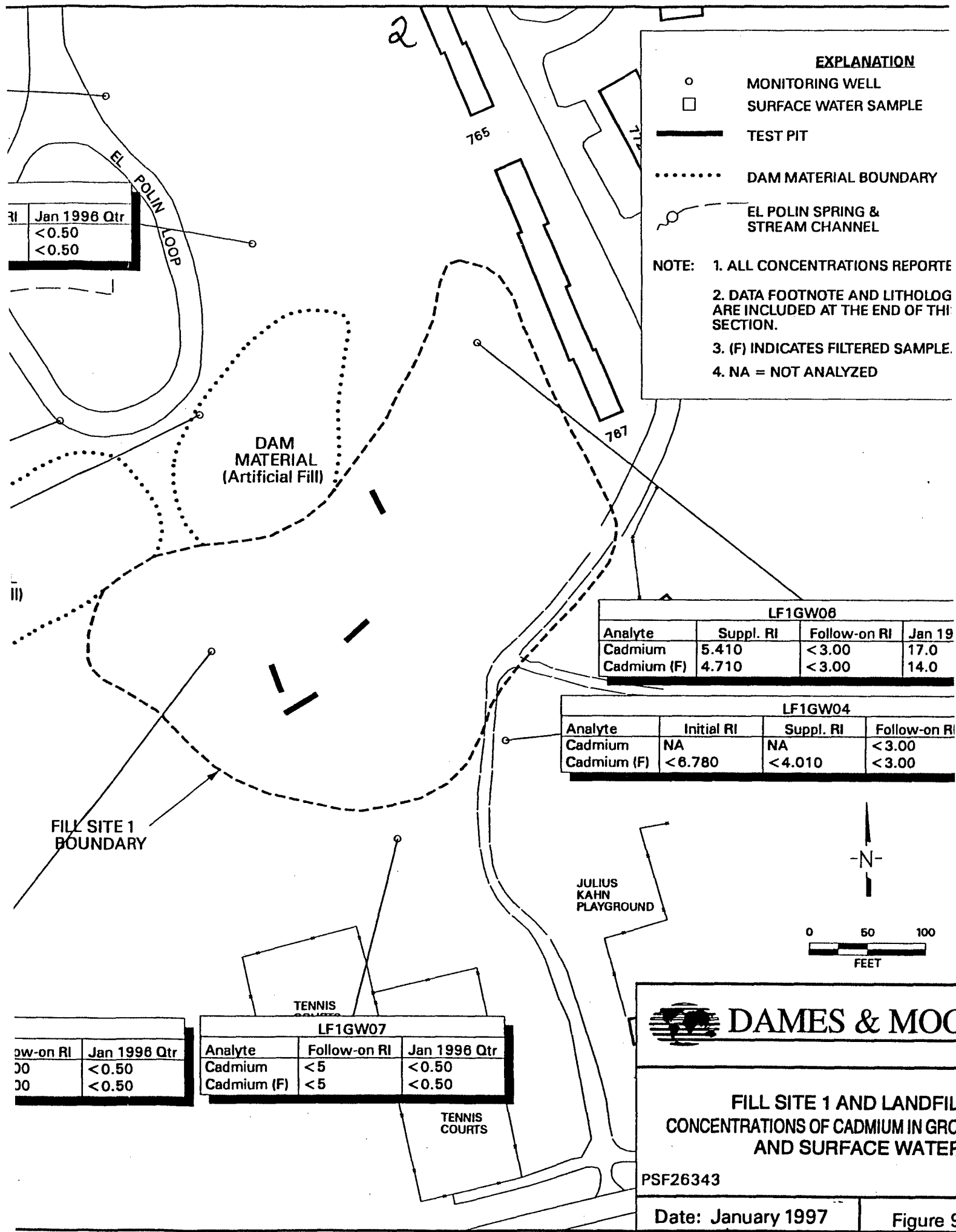
LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	34.700	< 3.00	< 0.50
Cadmium (F)	< 6.780	45.000	< 3.00	< 0.50

LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	NA	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	NA	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Cadmium	< 5	< 0.50
Cadmium (F)	< 5	< 0.50

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	< 4.010	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- ~ EL POLIN SPRING & STREAM CHANNEL

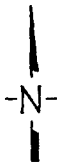
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

LF1GW08

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	5.410	< 3.00	17.0
Cadmium (F)	4.710	< 3.00	14.0

LF1GW04

Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	NA	NA	< 3.00	< 0.50
Cadmium (F)	< 6.780	< 4.010	< 3.00	< 0.50



JULIUS
KAHN
PLAYGROUND



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF CADMIUM IN GROUNDWATER
 AND SURFACE WATER**

PSF26343

Date: January 1997

Figure 9.1-25

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	59.0 f	48
Chromium (F)	< 16.800	11.900	11.0	9
Chromium IV	NA	NA	102	NA
Chromium IV (F)	NA	NA	NA	NA

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	25.0 f	47
Chromium (F)	21.500	15.800	20.0	21
Chromium IV	NA	NA	32.1	NA
Chromium IV (F)	NA	NA	NA	NA

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Chromium	NA	NA	36.0
Chromium (F)	27.5	44.800	19.0
Chromium IV	NA	NA	29.7 n
Chromium IV (F)	NA	NA	NA

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	13.000	13.0	11
Chromium (F)	< 16.800	11.100	14.0	10
Chromium IV	NA	NA	29.9 n	NA
Chromium IV (F)	NA	NA	NA	NA

LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	20.0	2
Chromium (F)	< 16.800	< 6.020	< 5.00	1
Chromium IV	NA	NA	NA	NA
Chromium IV (F)	NA	NA	NA	NA

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	5.00 f	5
Chromium (F)	< 16.800	< 6.020	< 5.00	< 1.0
Chromium IV	NA	NA	15.1	NA
Chromium IV (F)	NA	NA	NA	NA

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	213	3
Chromium (F)	< 10	2
Chromium IV	< 10	NA
Chromium IV (F)	< 10	NA

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	79.400	73.0 f	40
Chromium (F)	42.300	30.200	46.0	39
Chromium IV	NA	NA	137	NA
Chromium IV (F)	NA	NA	NA	NA

on RI	Jan 1996 Qtr
47	
21	
NA	
NA	

EXPLANATION	
○	MONITORING WELL
□	SURFACE WATER SAMPLE
—	TEST PIT
.....	DAM MATERIAL BOUNDARY
~	EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED
 2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THIS SECTION.
 3. (F) INDICATES FILTERED SAMPLE
 4. NA = NOT ANALYZED

DAM MATERIAL
(Artificial Fill)

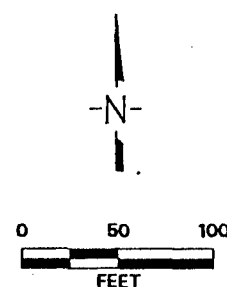
LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jar
Chromium	74.700	21.0 f	4
Chromium (F)	15.600	19.0	5
Chromium IV	NA	31.1	NA
Chromium IV (F)	NA	NA	NA

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on
Chromium	NA	NA	55.0 f
Chromium (F)	18.100	17.300	14.0
Chromium IV	NA	NA	82.4
Chromium IV (F)	NA	NA	NA

FILL SITE 1
BOUNDARY

JULIUS
KAHN
PLAYGROUND

TENNIS
COURTS



on RI	Jan 1996 Qtr
40	
39	
NA	
NA	

LF1GW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Chromium	155	41
Chromium (F)	14.7	23
Chromium IV	< 10	NA
Chromium IV (F)	80	NA

 **DAMES & MOORE**

**FILL SITE 1 AND LANDFILL
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER
AND SURFACE WATER**

PSF26328

Date: January 1997

Figure

EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

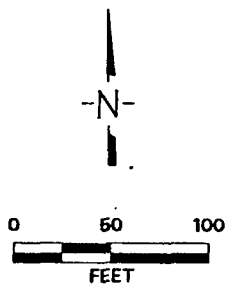
LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	74.700	21.0 f	4
Chromium (F)	15.800	19.0	5
Chromium IV	NA	31.1	NA
Chromium IV (F)	NA	NA	NA

LF1GW04

Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	NA	55.0 f	19
Chromium (F)	18.100	17.300	14.0	24
Chromium IV	NA	NA	82.4	NA
Chromium IV (F)	NA	NA	NA	NA

JULIUS
KAHN
PLAYGROUND



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF CHROMIUM IN GROUNDWATER
 AND SURFACE WATER**

PSF26328

Date: January 1997

Figure 9.1-26

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	NA	8.76 f	4
Copper (F)	< 18.800	< 8.090	8.76	< 1.0

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	NA	< 1.00	2
Copper (F)	< 18.800	< 8.090	6.37	< 1.0

EPSSW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	
Copper	NA	NA	59.6 an	
Copper (F)	< 18.8	< 8.090	10.4	

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	< 8.090	1.61 f	< 1.0
Copper (F)	< 18.800	< 8.090	5.85	1

LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	NA	4.03 f	1
Copper (F)	< 18.800	< 8.090	< 1.00	< 1.0

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	NA	1.08 f	< 1.0
Copper (F)	< 18.800	9.530	7.22	< 1.0

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Copper	8.6	2
Copper (F)	< 2.1	< 1.0

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	NA	< 8.090	< 1.00	2
Copper (F)	< 18.800	< 8.090	6.92	< 1.0

Analyte
Copper
Copper

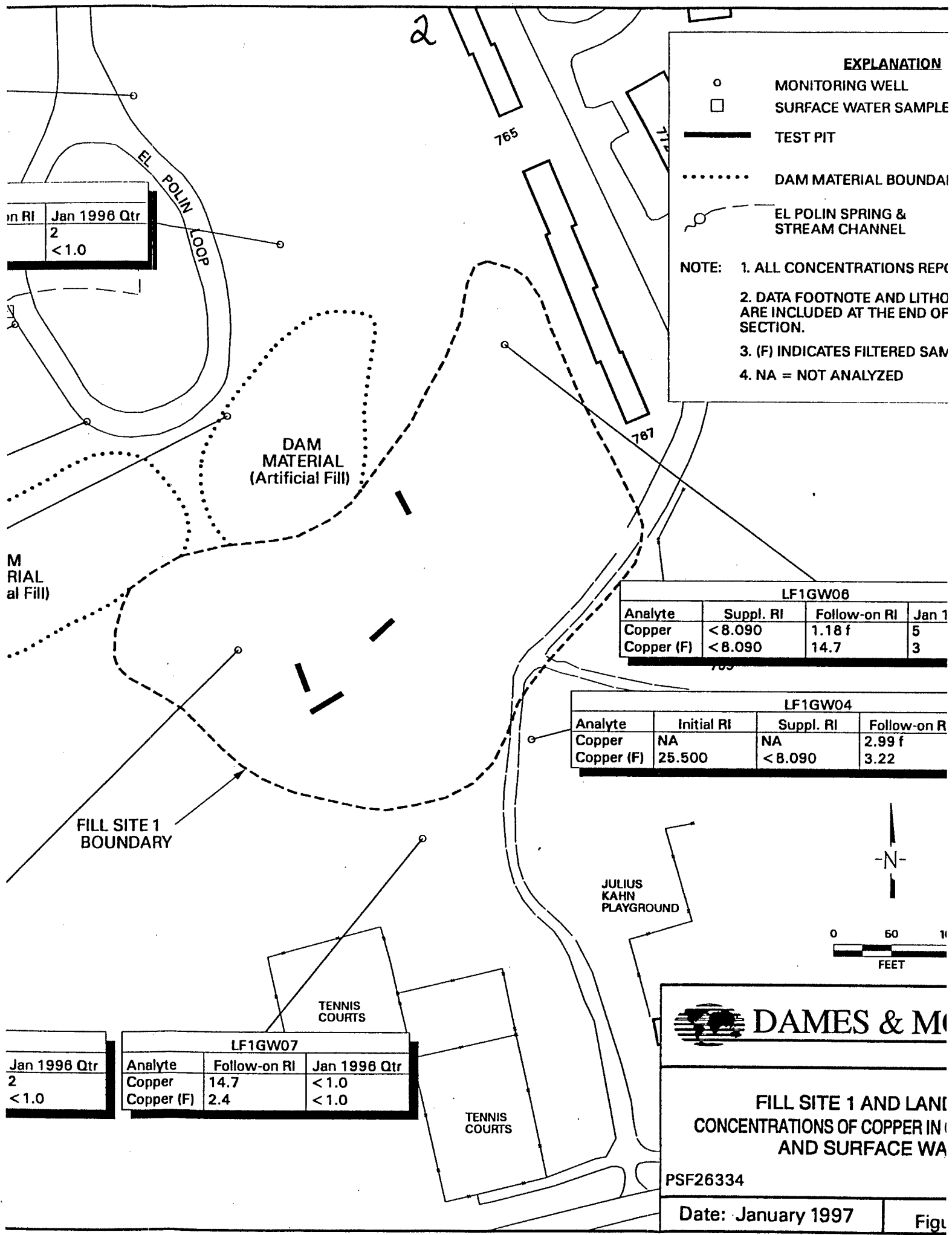
REMNANT BRICK
FURNACE & CHIMNEY

LANDFILL 2
BOUNDARY

DAM
MATERIAL
(Artificial Fill)

FILL SITE 1
BOUNDARY

QUARRY ROAD



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- ~ EL POLIN SPRING & STREAM CHANNEL

- NOTE:**
1. ALL CONCENTRATIONS REPORTED IN THIS REPORT ARE IN MICROGRAMS PER LITER (µg/L).
 2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

Jan 1996 Qtr	Jan 1996 Qtr
2	2
< 1.0	< 1.0

LF1GW08			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	< 8.090	1.18 f	5
Copper (F)	< 8.090	14.7	3

LF1GW04			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Copper	NA	NA	2.99 f
Copper (F)	25.500	< 8.090	3.22

LF1GW07			
Jan 1996 Qtr	Analyte	Follow-on RI	Jan 1996 Qtr
2	Copper	14.7	< 1.0
< 1.0	Copper (F)	2.4	< 1.0



**FILL SITE 1 AND LANDFILL
CONCENTRATIONS OF COPPER IN
AND SURFACE WATER**

PSF26334

EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- ~ EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

LF1GW08

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Copper	< 8.090	1.18 f	5
Copper (F)	< 8.090	14.7	3

LF1GW04

	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	NA	NA	2.99 f	< 1.0
(F)	25.500	< 8.090	3.22	< 1.0



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF COPPER IN GROUNDWATER
 AND SURFACE WATER**

PSF26334

Date: January 1997

Figure 9.1-27

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	2.38	5
Lead (F)	< 4.470	< 1.260	< 0.735	< 1.0

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	< 0.735	4
Lead (F)	< 4.470	8.030	< 0.735	1

EPSSW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	
Lead	NA	NA	3.40	
Lead (F)	< 4.47	4.340	< 0.735	

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	< 0.735	< 1.0
Lead (F)	< 4.470	< 1.260	< 0.735	1

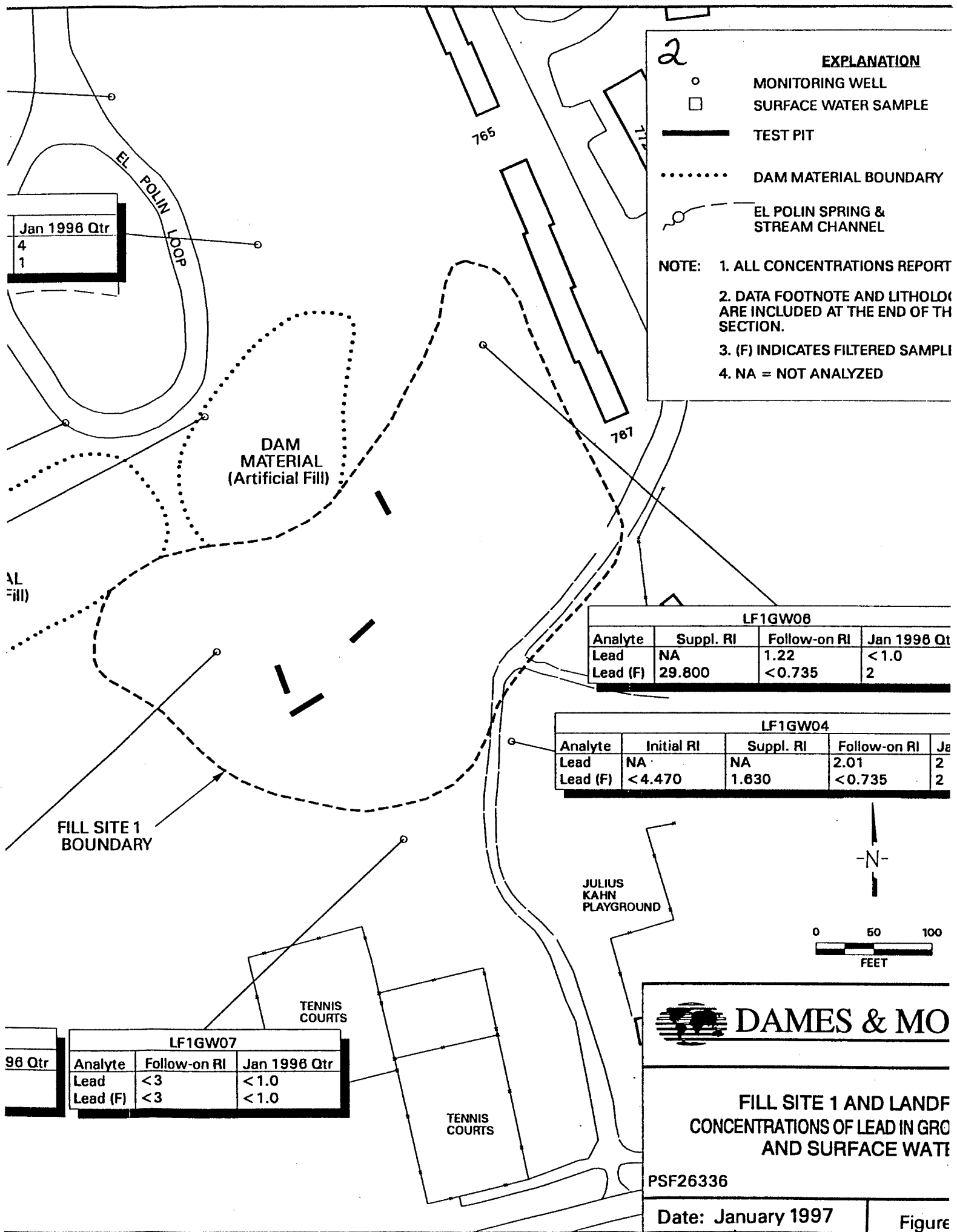
LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	0.851	< 1.0
Lead (F)	< 4.470	1.410	< 0.735	< 1.0

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	< 0.735	2
Lead (F)	< 4.470	< 1.260	< 0.735	< 1.0

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Lead	5.6	1
Lead (F)	< 3	1

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	NA	1.60	2
Lead (F)	< 4.470	< 1.260	1.55	< 1.0

Analyte	F
Lead	<
Lead (F)	<



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- ~ EL POLIN SPRING & STREAM CHANNEL

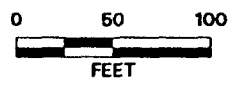
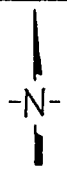
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jan 1998 Qtr
Lead	NA	1.22	< 1.0
Lead (F)	29.800	< 0.735	2

LF1GW04

lyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1998 Qtr
I	NA	NA	2.01	2
I (F)	< 4.470	1.630	< 0.735	2



ULIUS
 AHN
 PLAYGROUND



**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF LEAD IN GROUNDWATER
 AND SURFACE WATER**

PSF26336

Date: January 1997

Figure 9.1-28

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	123	98
Manganese (F)	< 9.670	< 2.750	< 6.00	< 10

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	21.0	110
Manganese (F)	< 9.670	< 2.750	< 6.00	< 10

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Manganese	NA	NA	78.0
Manganese (F)	48.7	118.000	59.0

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	43.100	8.00	16
Manganese (F)	< 9.670	8.390	< 6.00	< 10

LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	385	568
Manganese (F)	164.000	253.000	103	348

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	130	52
Manganese (F)	162.000	< 2.750	46.0	13

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Manganese	310	63
Manganese (F)	45.9	54

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	306.000	176	< 10
Manganese (F)	< 9.670	3.480	< 6.00	< 10

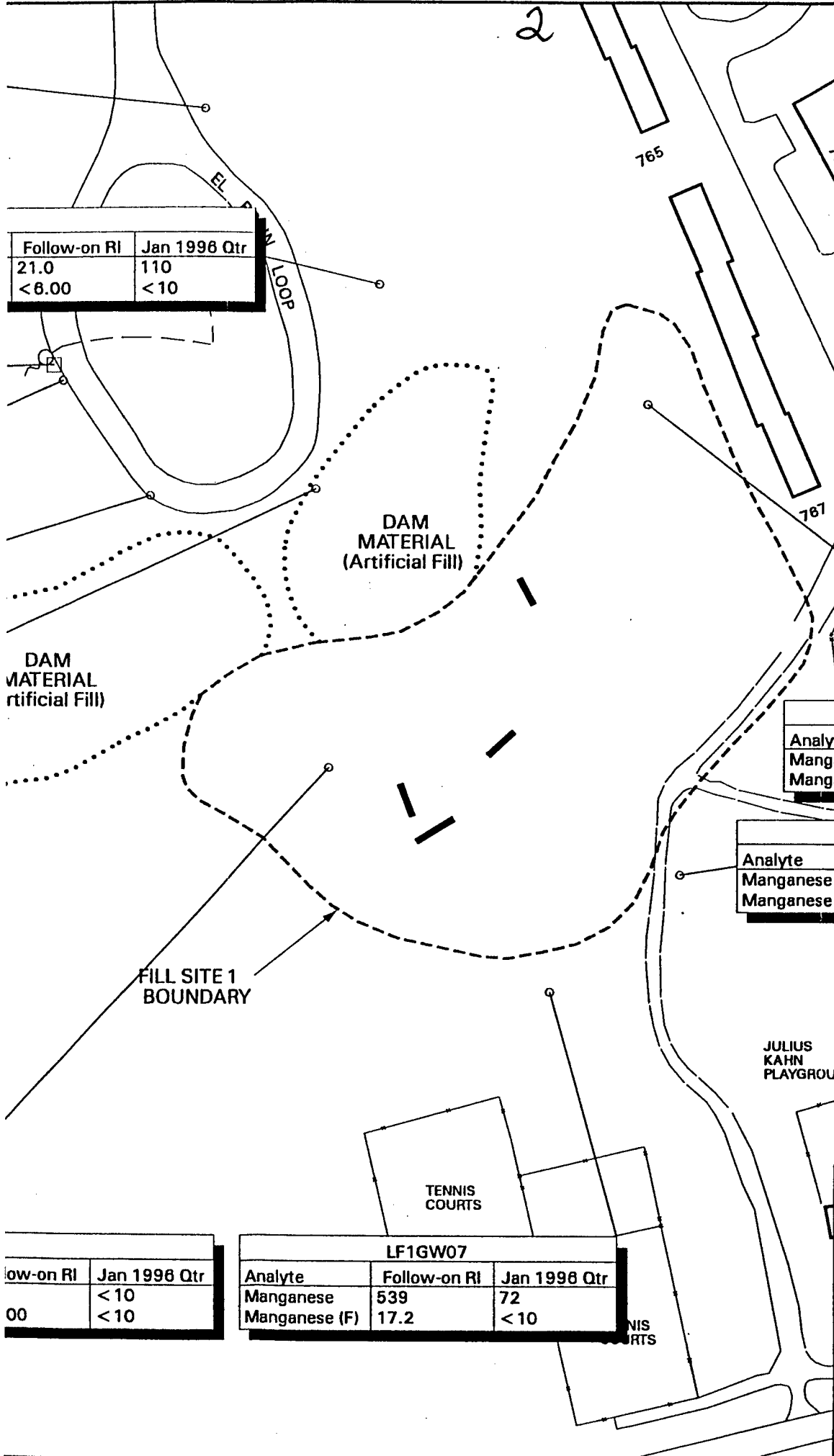
QUARRY ROAD

DAM MATERIAL
(Artificial Fill)

FILL SITE 1
BOUNDARY

LANDFILL 2
BOUNDARY

REMNANT BRICK
FURNACE & CHIMNEY



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLING POINT
- TEST PIT
- DAM MATERIAL BOUNDARY
- - - - - EL POLIN SPRING & STREAM CHANNEL

NOTE:

1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)
2. DATA FOOTNOTE AND ARE INCLUDED AT THE END OF EACH SECTION.
3. (F) INDICATES FILTERED
4. NA = NOT ANALYZED

Follow-on RI	Jan 1996 Qtr
21.0	110
< 6.00	< 10

LF1GW06		
Analyte	Suppl. RI	Follow-on
Manganese	361.000	15.0
Manganese (F)	81.400	< 6.00

LF1GW04			
Analyte	Initial RI	Suppl. RI	
Manganese	NA	NA	1
Manganese (F)	< 9.670	6.190	8

Follow-on RI	Jan 1996 Qtr
00	< 10
	< 10

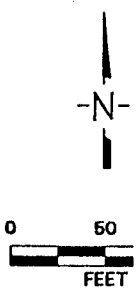
LF1GW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Manganese	539	72
Manganese (F)	17.2	< 10



**FILL SITE 1 AND
CONCENTRATIONS OF MANGANESE
AND SURFACE**

PSF26357

Date: January 1997



EXPLANATION

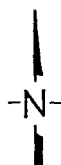
- MONITORING WELL
 □ SURFACE WATER SAMPLE
 — TEST PIT
 DAM MATERIAL BOUNDARY
 ~ EL POLIN SPRING & STREAM CHANNEL

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

LF1GW06			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	361.000	15.0	25
Manganese (F)	81.400	< 6.00	18

LF1GW04				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	NA	NA	168	< 10
Manganese (F)	< 9.670	6.190	8.00	25

JULIUS
KAHN
PLAYGROUND



0 50 100
FEET



DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF MANGANESE IN GROUNDWATER
 AND SURFACE WATER**

PSF26357

Date: January 1997

Figure 9.1-29

LF1GW05				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	NA	80.4 a	57
Nickel (F)	< 32.100	13.800 d	13.9	14

LF1GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	NA	26.8	59
Nickel (F)	< 32.100	< 34.300	6.00	10

EPSSW01			
Analyte	Initial RI	Suppl. RI	Follow-on RI
Nickel	NA	36.300 d	32.8
Nickel (F)	< 32.1	NA	14.9

LF2GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	< 34.300	< 5.00	< 5.0
Nickel (F)	< 32.100	< 34.300	< 5.00	< 5.0

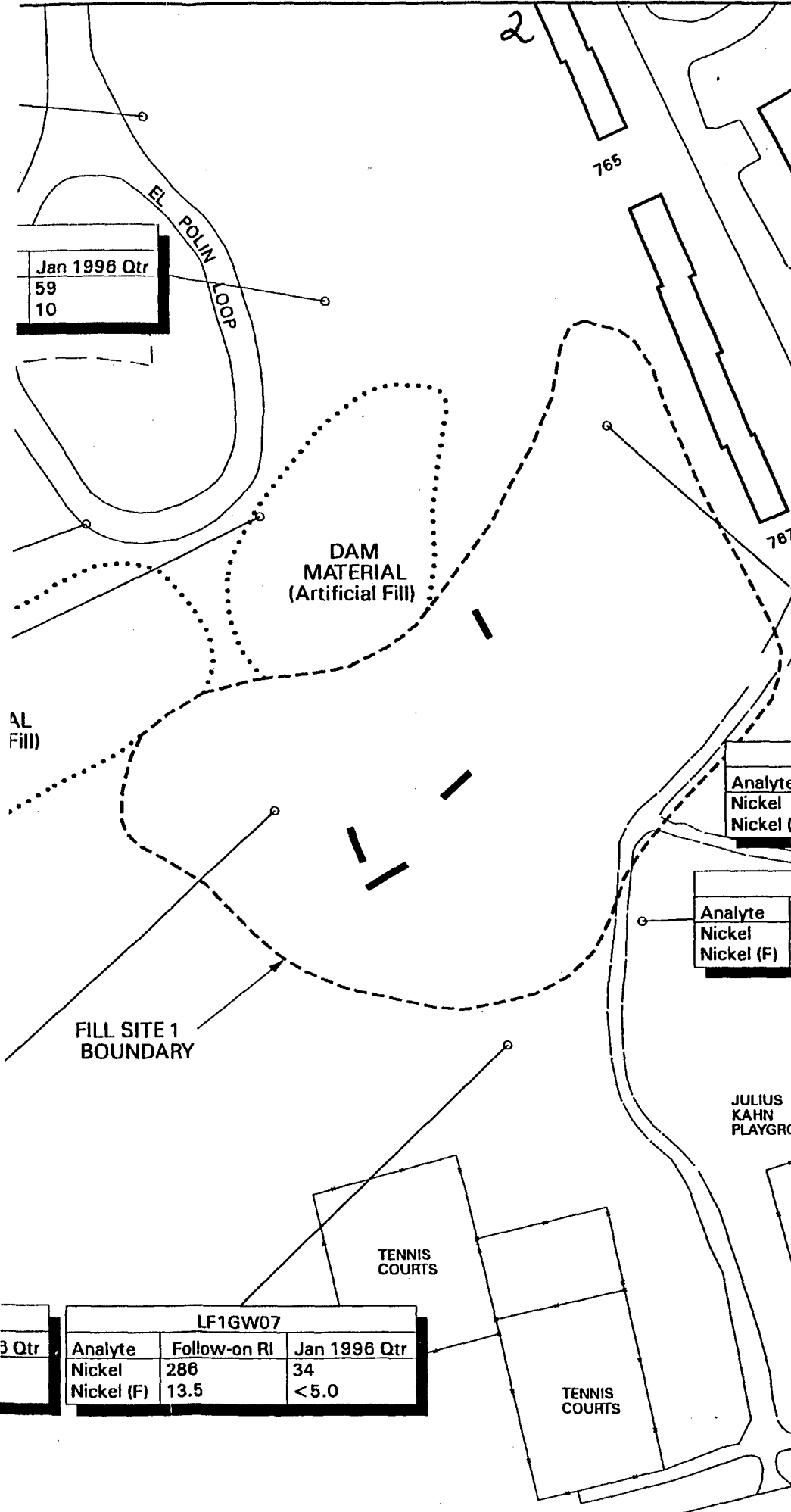
LF2GW02				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	NA	31.4	< 5.0
Nickel (F)	< 32.100	< 34.300	10.1	< 5.0

LF1GW01				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	NA	17.0	17
Nickel (F)	< 32.100	< 34.300	10.0	17

LF2GW04		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	334	12
Nickel (F)	18.4	9

LF1GW03				
Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	134.000	69.6 a	< 5.0
Nickel (F)	< 32.100	< 34.300	< 5.00	< 5.0

Analyte	Fol
Nickel	286
Nickel (F)	13.1



EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

- NOTE:
1. ALL CONCENTRATIONS REPORT
 2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THE SECTION.
 3. (F) INDICATES FILTERED SAMPLE
 4. NA = NOT ANALYZED

Jan 1996 Qtr

59
10

DAM MATERIAL (Artificial Fill)

AL Fill)

LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	103.000	5.88	7
Nickel (F)	< 34.300	< 5.00	8

LF1GW04

Analyte	Initial RI	Suppl. RI	Follow-on RI
Nickel	NA	NA	39.7
Nickel (F)	< 32.100	< 34.300	< 5.00

FILL SITE 1 BOUNDARY

JULIUS KAHN PLAYGROUND

TENNIS COURTS

TENNIS COURTS

LF1GW07

Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	286	34
Nickel (F)	13.5	< 5.0



0 50 100
FEET



DAMES & MC

FILL SITE 1 AND LAND
CONCENTRATIONS OF NICKEL IN GROUNDWATER
AND SURFACE WATER

PSF26331

Date: January 1997

Figure

EXPLANATION

- MONITORING WELL
- SURFACE WATER SAMPLE
- TEST PIT
- DAM MATERIAL BOUNDARY
- EL POLIN SPRING & STREAM CHANNEL

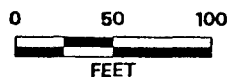
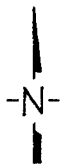
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

LF1GW06

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	103.000	5.88	7
Nickel (F)	< 34.300	< 5.00	6

LF1GW04

Analyte	Initial RI	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	NA	NA	39.7	5
Nickel (F)	< 32.100	< 34.300	< 5.00	10



JULIUS
KAHN
PLAYGROUND



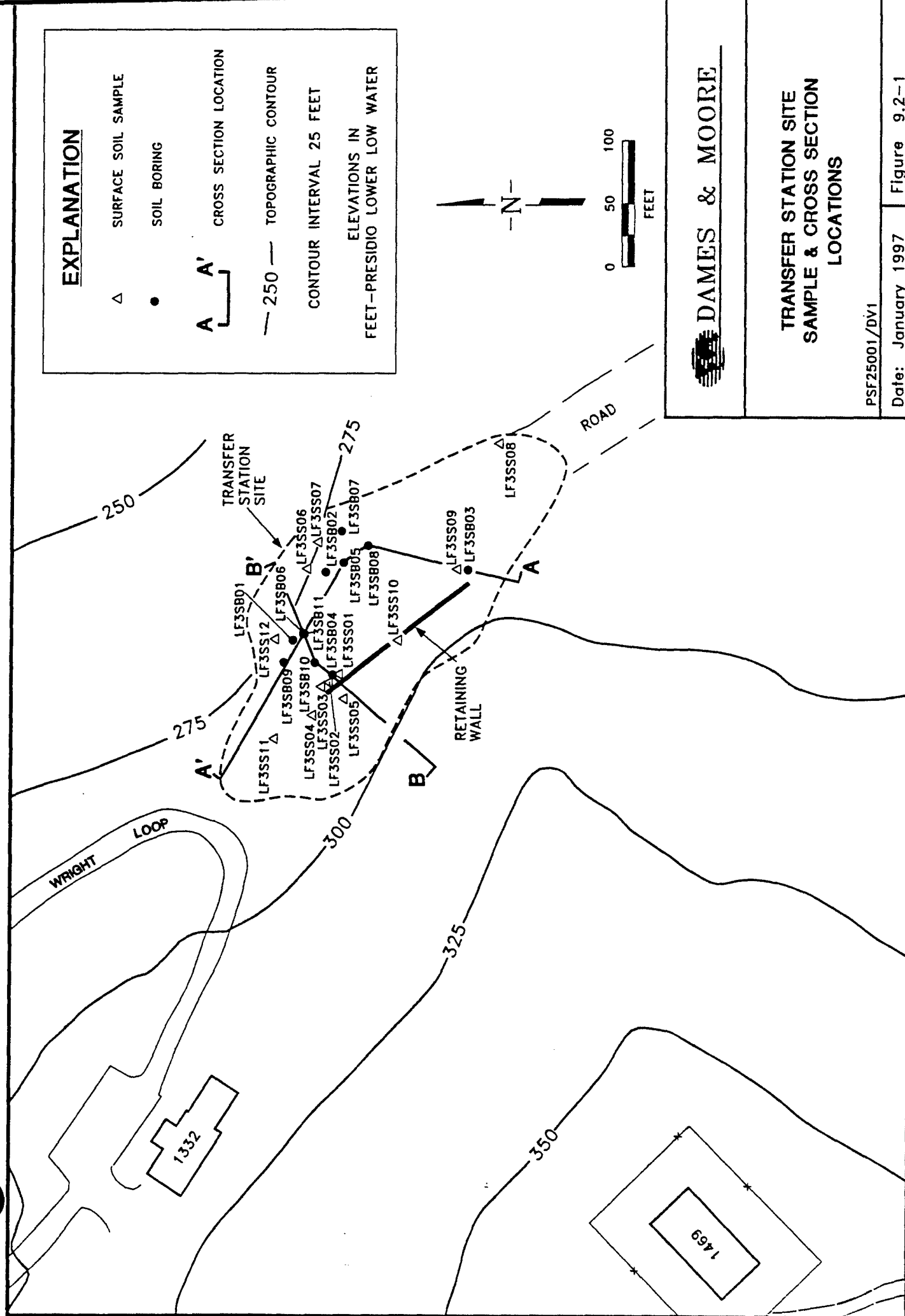
DAMES & MOORE

**FILL SITE 1 AND LANDFILL 2
 CONCENTRATIONS OF NICKEL IN GROUNDWATER
 AND SURFACE WATER**

PSF26331

Date: January 1997

Figure 9.1-30



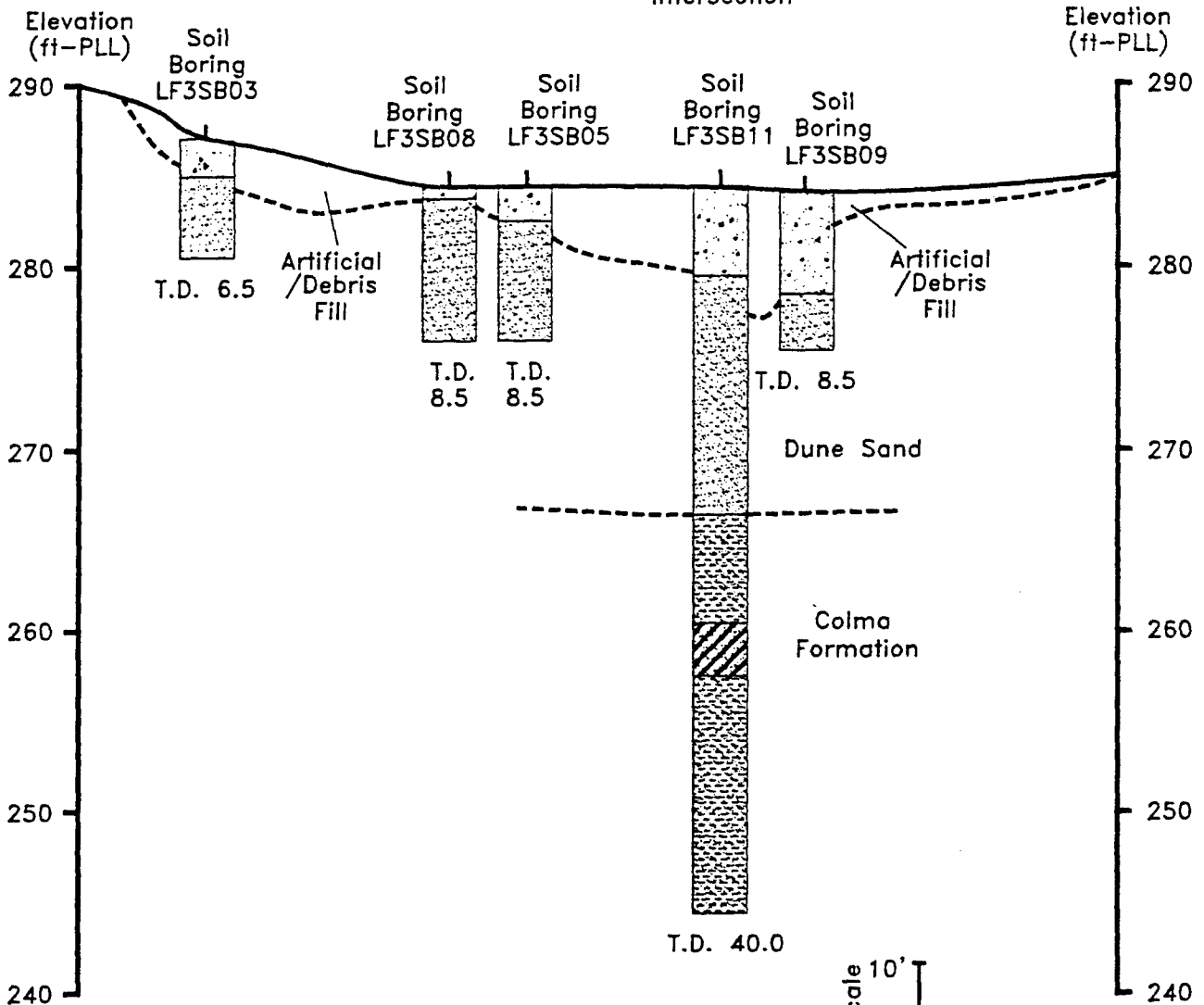
Southeast

A





Cross-Section
B-B'
Intersection


Southeast

A



EXPLANATION

-  Artificial/Debris Fill
-  Clay
-  Silt
-  Sand

-  Contact, dashed where inferred
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water

 DAMES & MOORE

TRANSFER STATION SITE
CROSS SECTION A-A'

PSF25048/DV1

Date: January 1997

Figure 9.2-2

Southwest

B

Elevation
(ft-PLL)

310

300

290

280

270

Northeast

B'

Elevation
(ft-PLL)

310

300

290

280

270

260

250

240

Soil
Boring
LF3SB10

Retaining Wall

Cross-Section
A-A'
Intersection

Artificial Fill (?)

Soil
Boring
LF3SB04

Soil
Boring
LF3SB11

T.D. 6.5

T.D. 8.5

Dune
Sand

Colma
Formation

T.D. 40.0

EXPLANATION



Artificial/Debris Fill



Clay



Silt

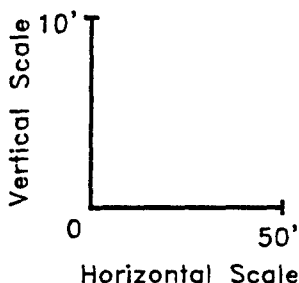


Sand

--- Contact, dashed where inferred

T.D. Total Depth (ft bgs)

ft-PLL feet-Presidio Lower Low Water



DAMES & MOORE

**TRANSFER STATION SITE
CROSS SECTION B-B'**

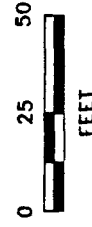
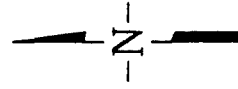
PSF25049/DV1

Date: January 1997

Figure 9.2-3

EXPLANATION

- SOIL BORING
(DEBRIS FILL THICKNESS
IN FEET)
- - - - - ARTIFICIAL/DEBRIS FILL
THICKNESS CONTOUR
(DASHED WHERE INFERRED)
- α DEBRIS FILL ENCOUNTERED
IN BORING
- CONTOUR INTERVAL 1 FOOT



DAMES & MOORE

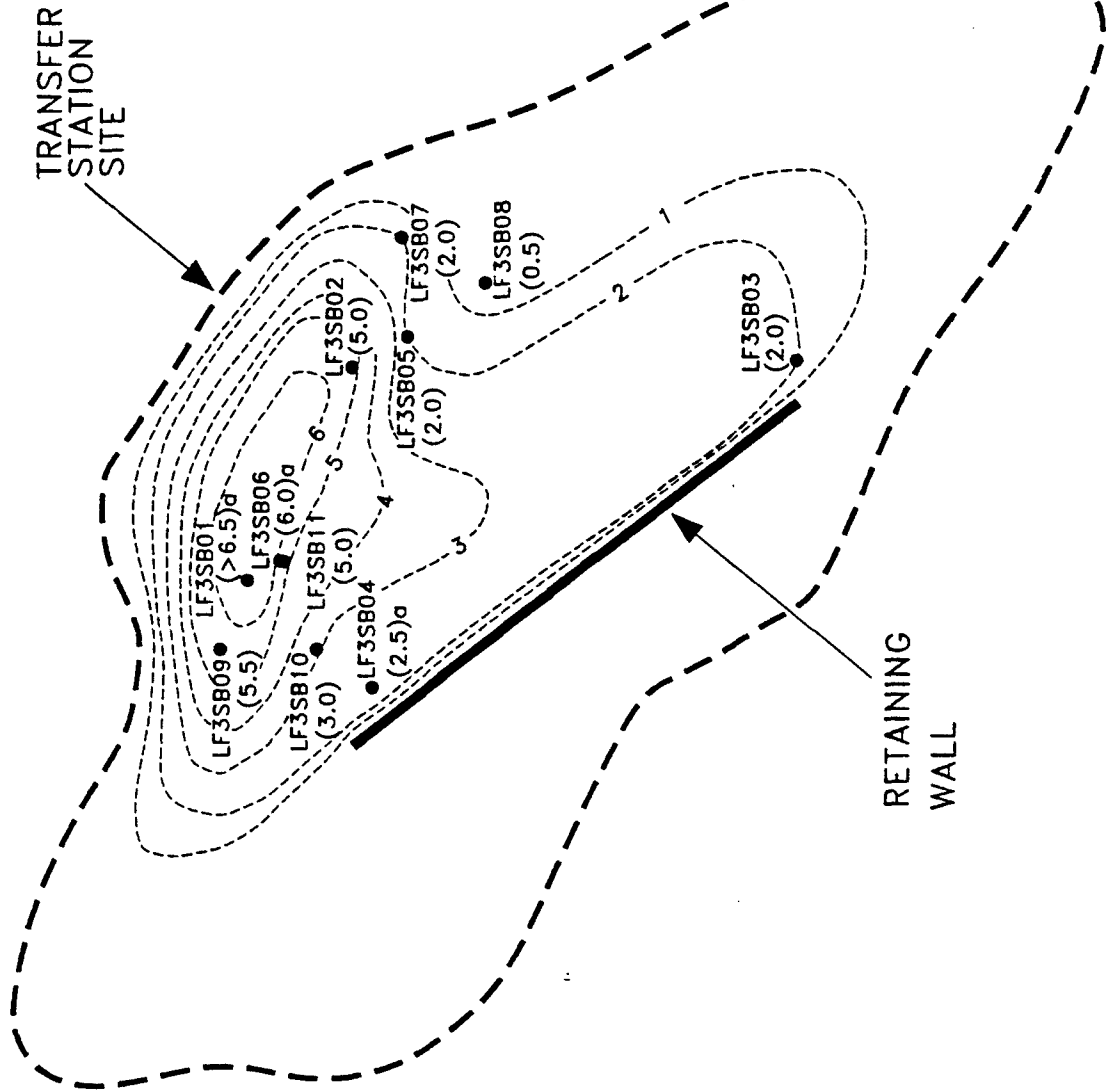
TRANSFER STATION SITE ARTIFICIAL/DEBRIS FILL ISOPACH

PSF25047/DV1

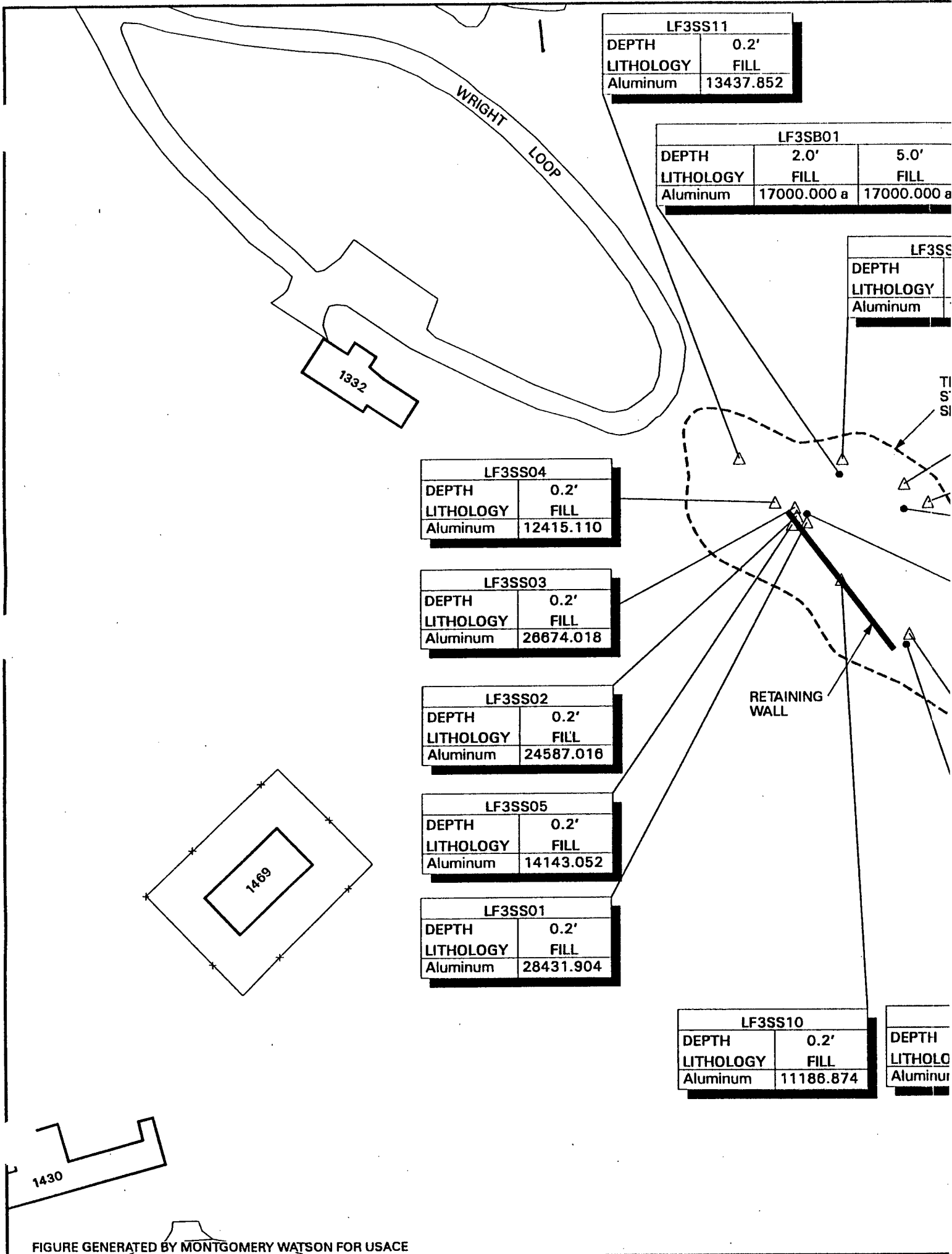
Date: January 1997

Figure 9.2-4

TRANSFER
STATION
SITE



RETAINING
WALL



3SB01	
2.0'	5.0'
FILL	FILL
0.000 a	17000.000 a

LF3SS12	
DEPTH	0.2'
LITHOLOGY	FILL
Aluminum	15843.733

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Aluminum	19827.813

LF3SS07	
DEPTH	0.2'
LITHOLOGY	FILL
Aluminum	55885.773

LF3SB02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	11000.000 a	5200.000 a

LF3SB04		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	8300.000 a	8100.000 a

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Aluminum	11102.809

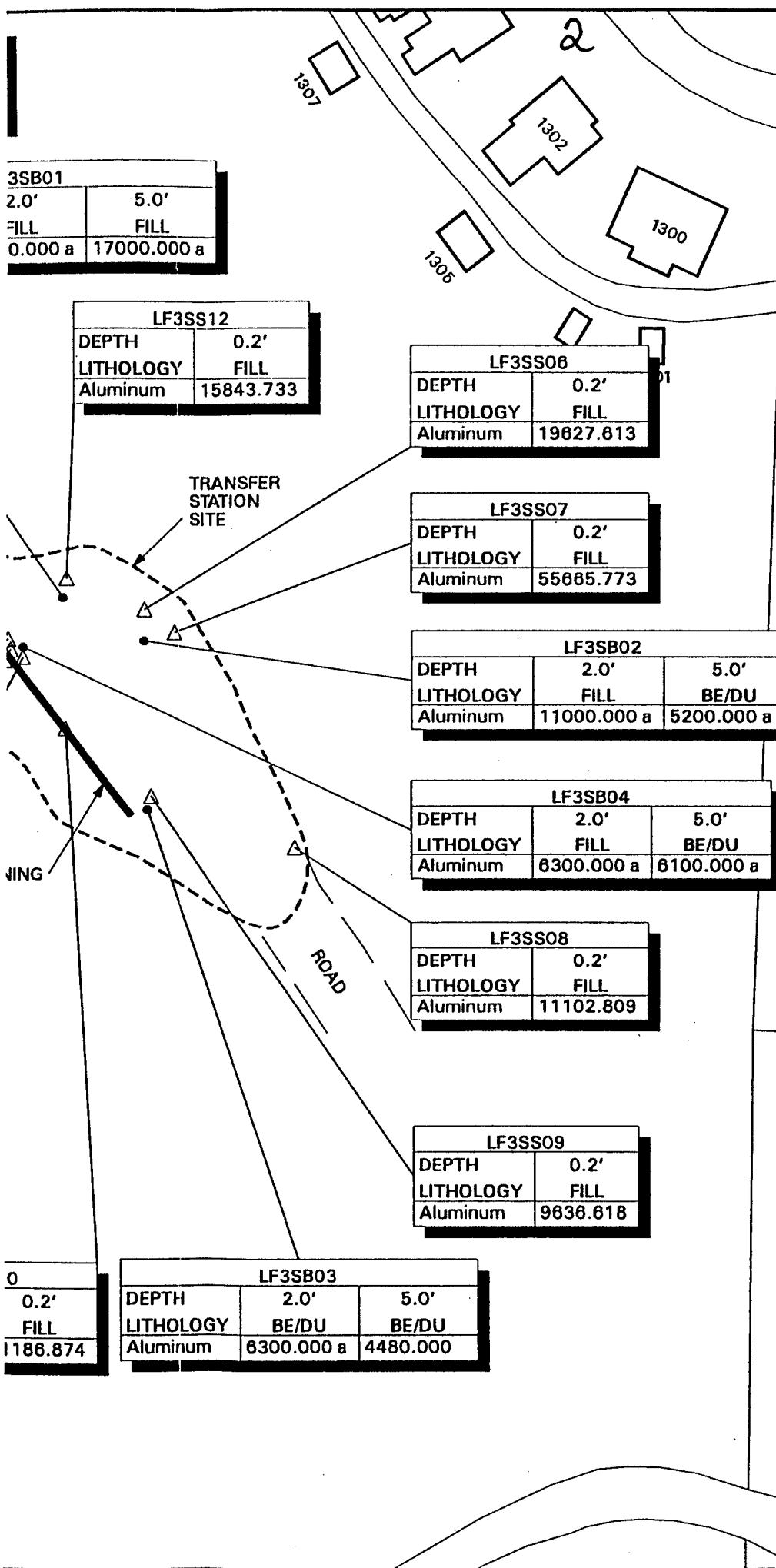
LF3SS09	
DEPTH	0.2'
LITHOLOGY	FILL
Aluminum	9836.618

LF3SB03		
0	2.0'	5.0'
0.2'		
FILL	BE/DU	BE/DU
1188.874	8300.000 a	4480.000

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPOF
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF T SECTION.



TRANSFER STATION CONCENTRATIONS OF ALUM

PSF26358

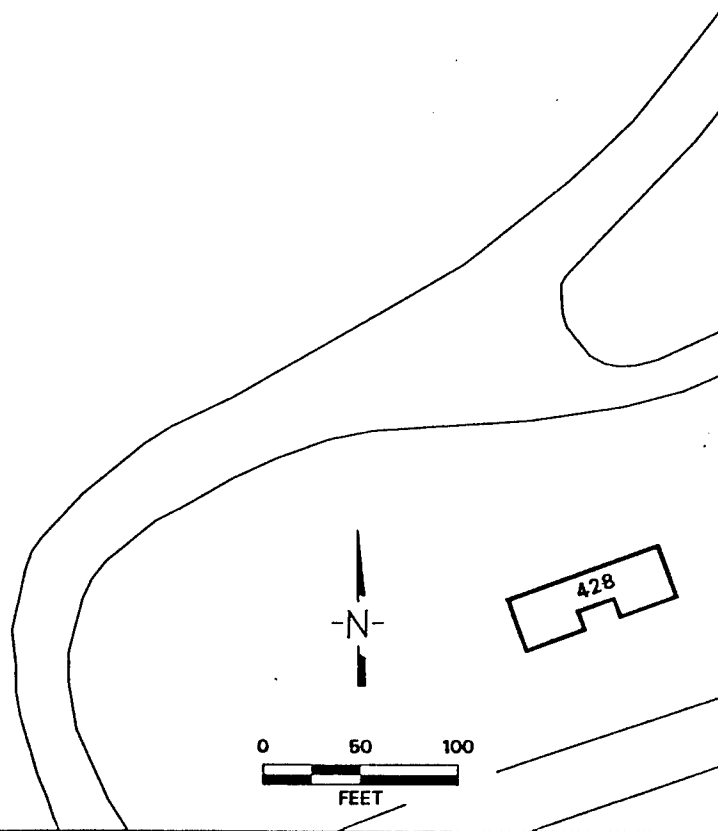
Date: January 1997

Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

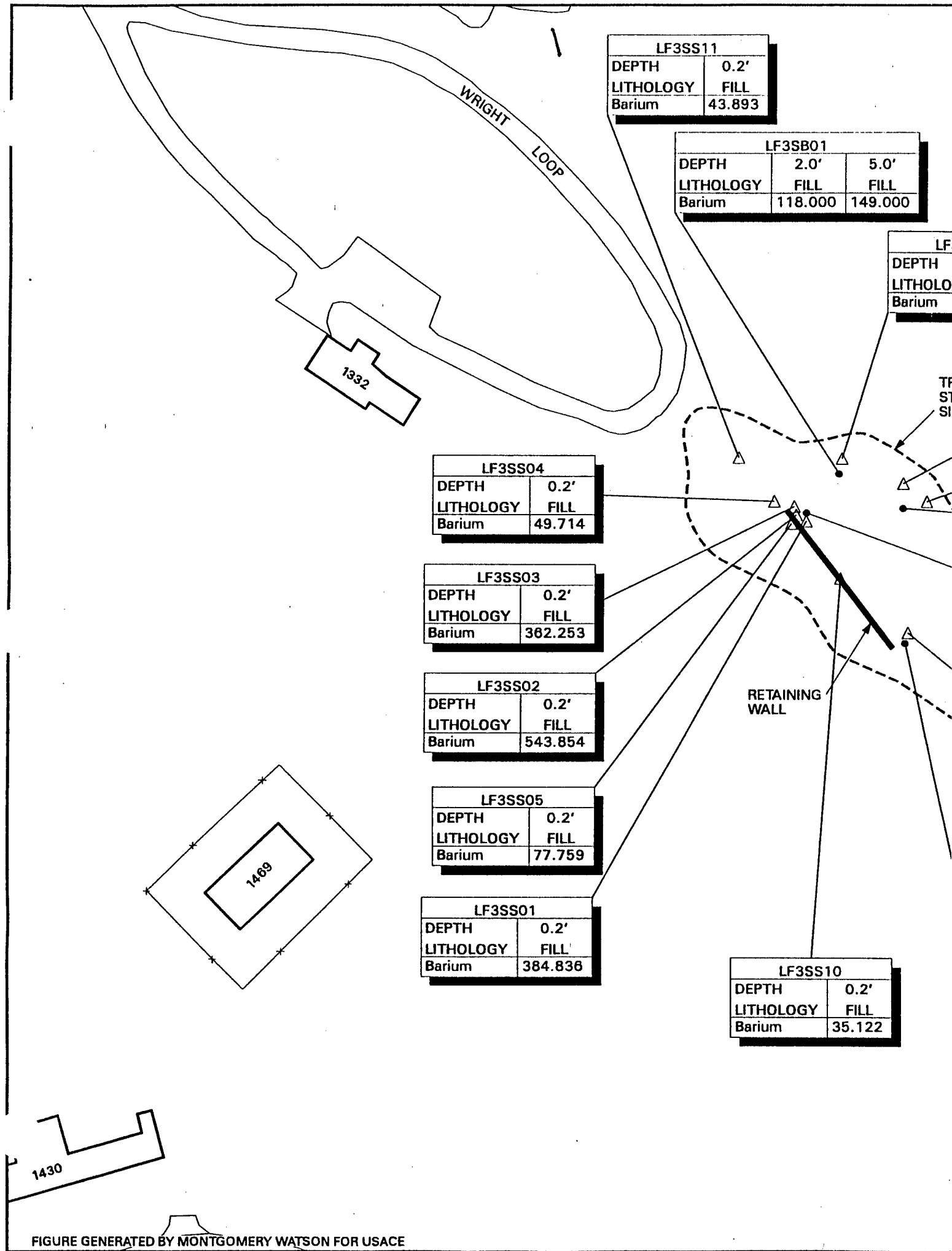


**TRANSFER STATION SITE
 CONCENTRATIONS OF ALUMINUM IN SOIL**

PSF26358

Date: January 1997

Figure 9.2-5



5.0'
FILL
149.000

LF3SS12	
DEPTH	0.2'
LITHOLOGY	FILL
Barium	72.308

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Barium	163.839

LF3SS07	
DEPTH	0.2'
LITHOLOGY	FILL
Barium	75.192

LF3SB02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Barium	86.000	22.100 f

LF3SB04		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Barium	19.600 f	36.300

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Barium	62.281

LF3SS09	
DEPTH	0.2'
LITHOLOGY	FILL
Barium	24.950

LF3SB03		
DEPTH	2.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Barium	164.000	14.000 f

S10	
0.2'	
FILL	
35.122	

2

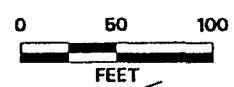
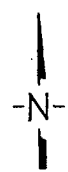
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY I
ARE INCLUDED AT THE END OF THIS F
SECTION.

TRANSFER
STATION
SITE

ROAD



DAMES & MOORE

TRANSFER STATION SI CONCENTRATIONS OF BARIU

PSF26359

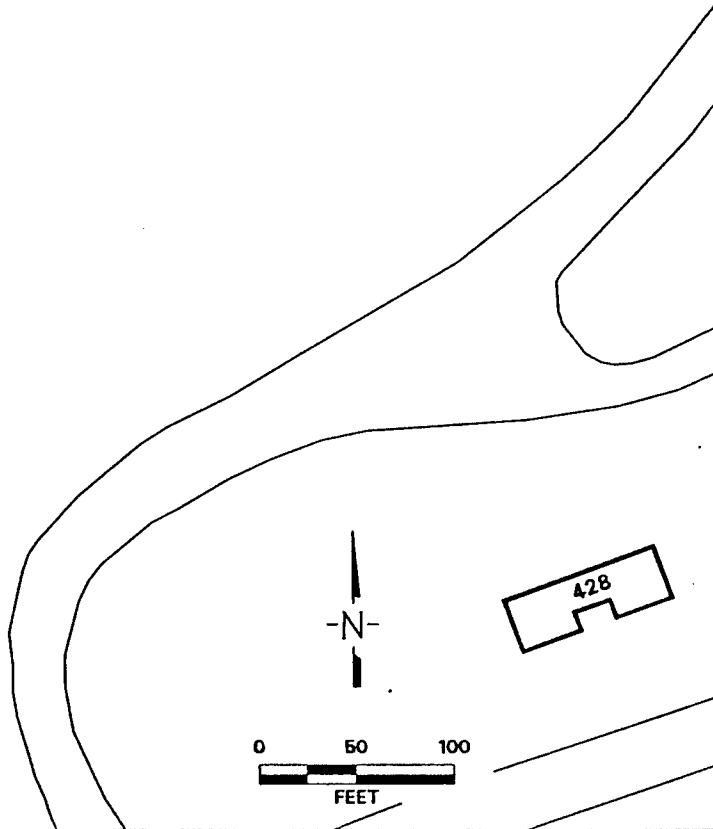
Date: January 1997

Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

**DAMES & MOORE**

TRANSFER STATION SITE
CONCENTRATIONS OF BARIUM IN SOIL

PSF26359

Date: January 1997

Figure 9.2-6

SB01	
0.0'	5.0'
LITHOLOGY	FILL
Iron	30000.000 a

LF3SS12	
DEPTH	0.2'
LITHOLOGY	FILL
Iron	47068.840

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Iron	29357.965

LF3SS07	
DEPTH	0.2'
LITHOLOGY	FILL
Iron	61089.559 a

LF3SB02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	24000.000 a	19000.000 a

LF3SB04		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Iron	18000.000 a	29000.000 a

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Iron	31049.094

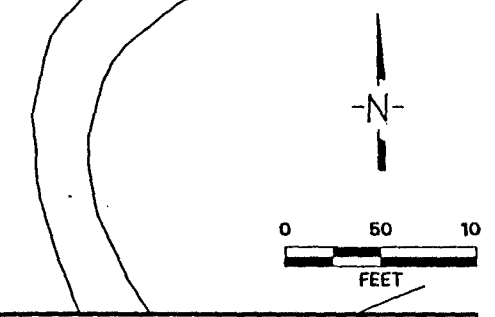
LF3SS09	
DEPTH	0.2'
LITHOLOGY	FILL
Iron	32685.803

LF3SB03		
DEPTH	2.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Iron	17000.000 a	12000.000 a

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

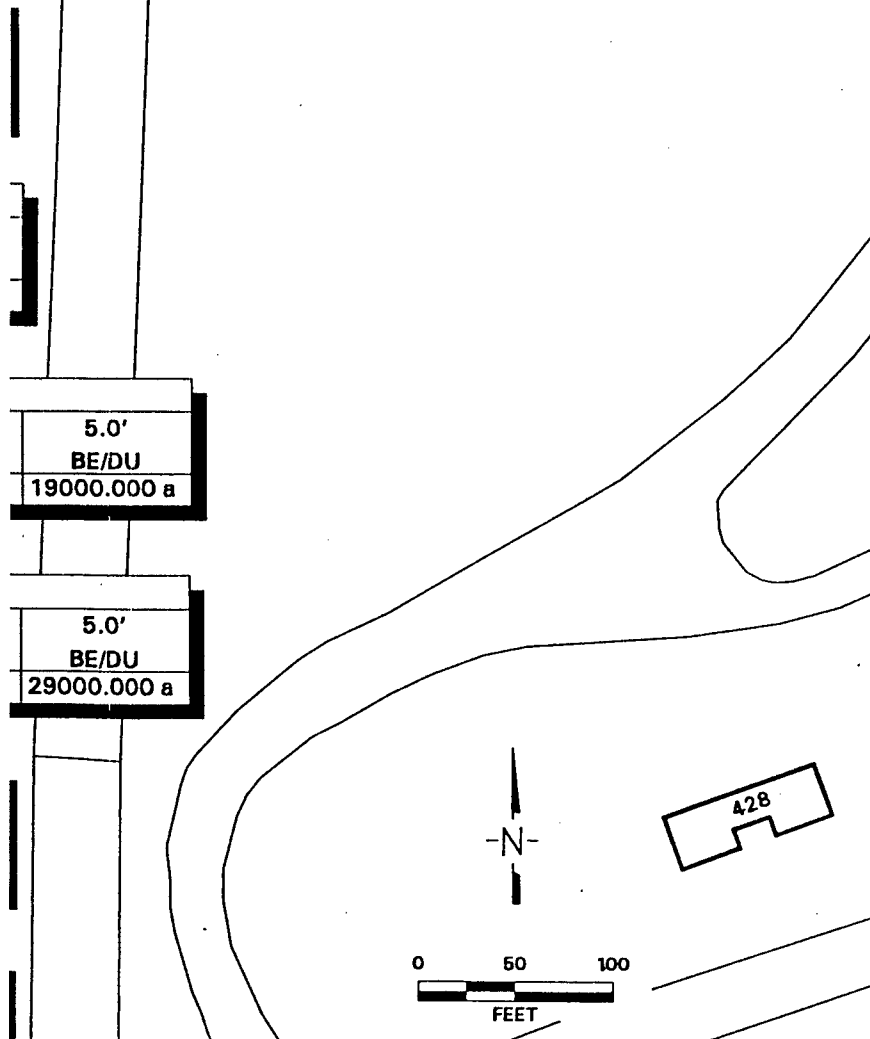


EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

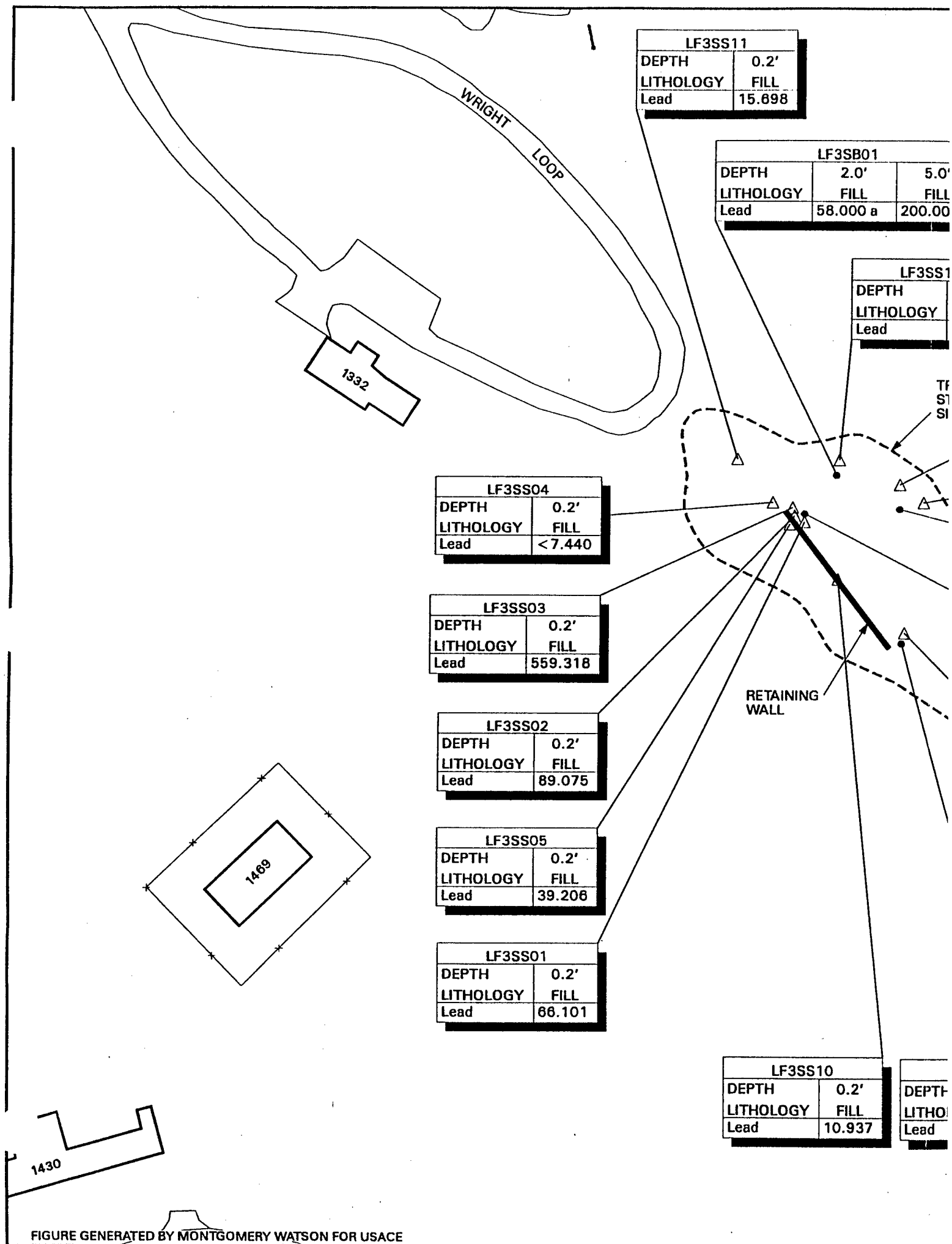
**DAMES & MOORE**

TRANSFER STATION SITE
CONCENTRATIONS OF IRON IN SOIL

PSF26360

Date: January 1997

Figure 9.2-7



LF3SB01	
2.0'	5.0'
FILL	FILL
58.000 a	200.000 a

LF3SS12	
DEPTH	0.2'
LITHOLOGY	FILL
Lead	14.713

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Lead	48.430

LF3SS07	
DEPTH	0.2'
LITHOLOGY	FILL
Lead	17.858

LF3SB02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Lead	41.000 a	18.000 a

LF3SB04		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Lead	1.910 f	2.150

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Lead	14.991

LF3SS09	
DEPTH	0.2'
LITHOLOGY	FILL
Lead	17.847

LF3SB03			
DEPTH	2.0'	5.0'	
LITHOLOGY	BE/DU	BE/DU	
Lead	5.260	1.720 f	

EXPLANATION

• SOIL BORING
 △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED
 2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.



TRANSFER STATION SITE
 CONCENTRATIONS OF LEAD

PSF26363

Date: January 1997

Figure 1

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



DAMES & MOORE

**TRANSFER STATION SITE
CONCENTRATIONS OF LEAD IN SOIL**

PSF26363

Date: January 1997

Figure 9.2-8

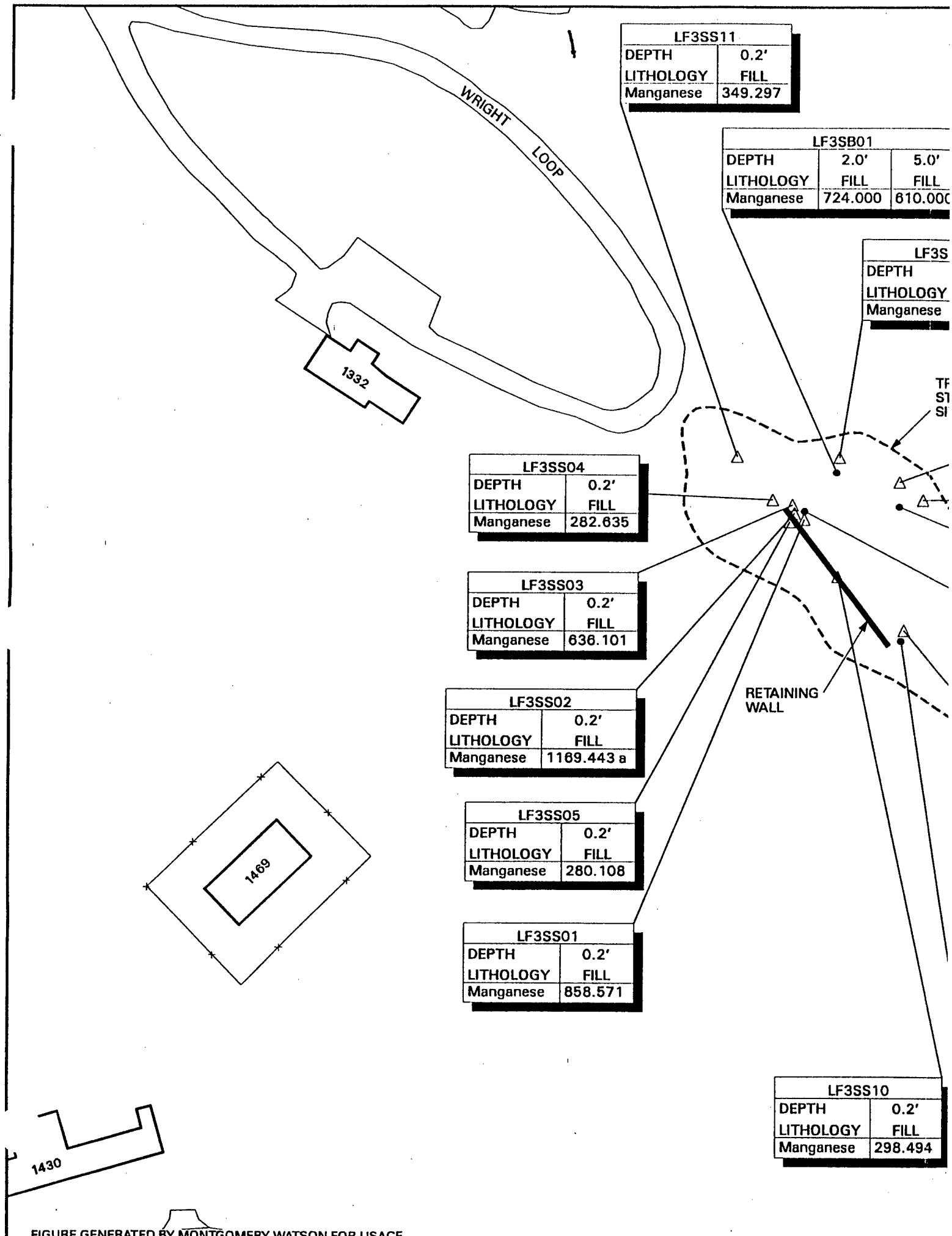
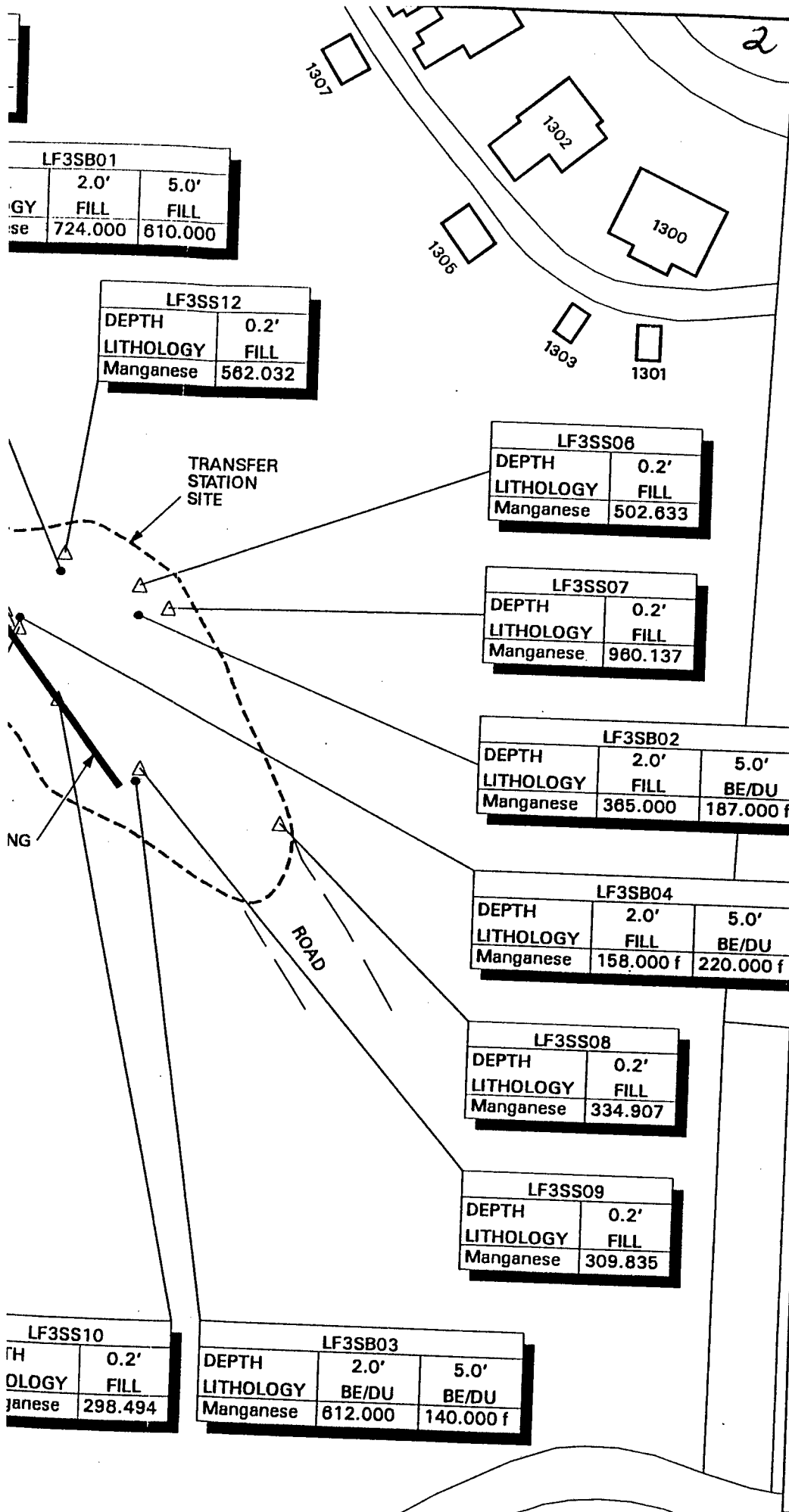


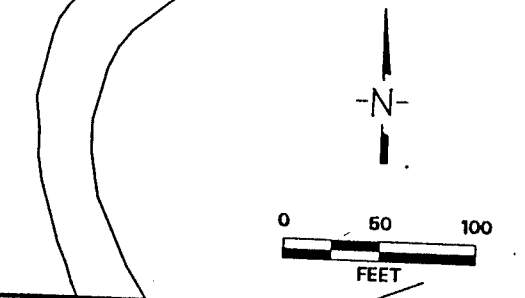
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.



DAMES & MOORE

**TRANSFER STATION SITE
CONCENTRATIONS OF MANGANESE**

PSF26362

Date: January 1997

Figure 9

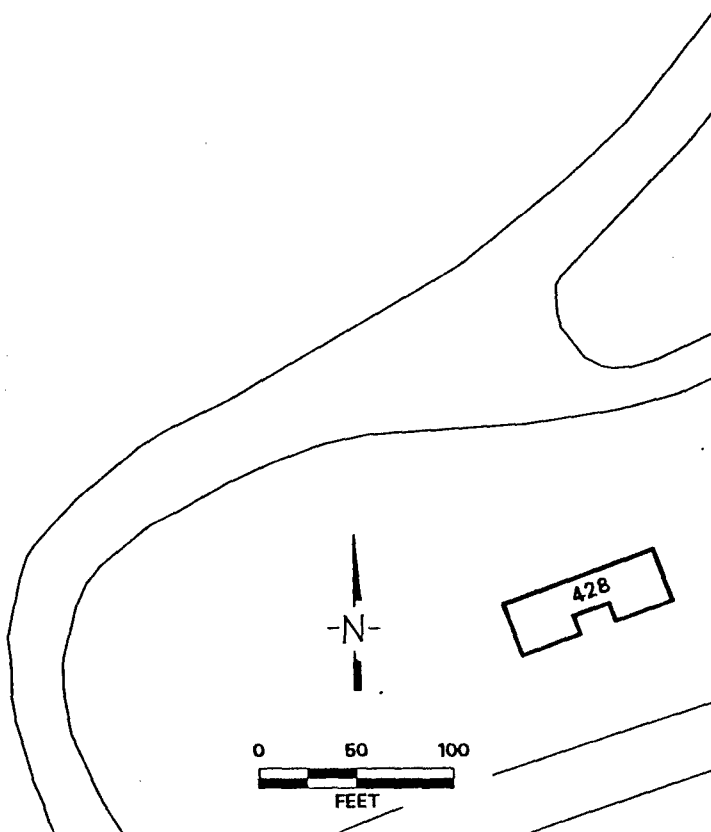
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

5.0'
BE/DU
187.000 f

5.0'
BE/DU
220.000 f



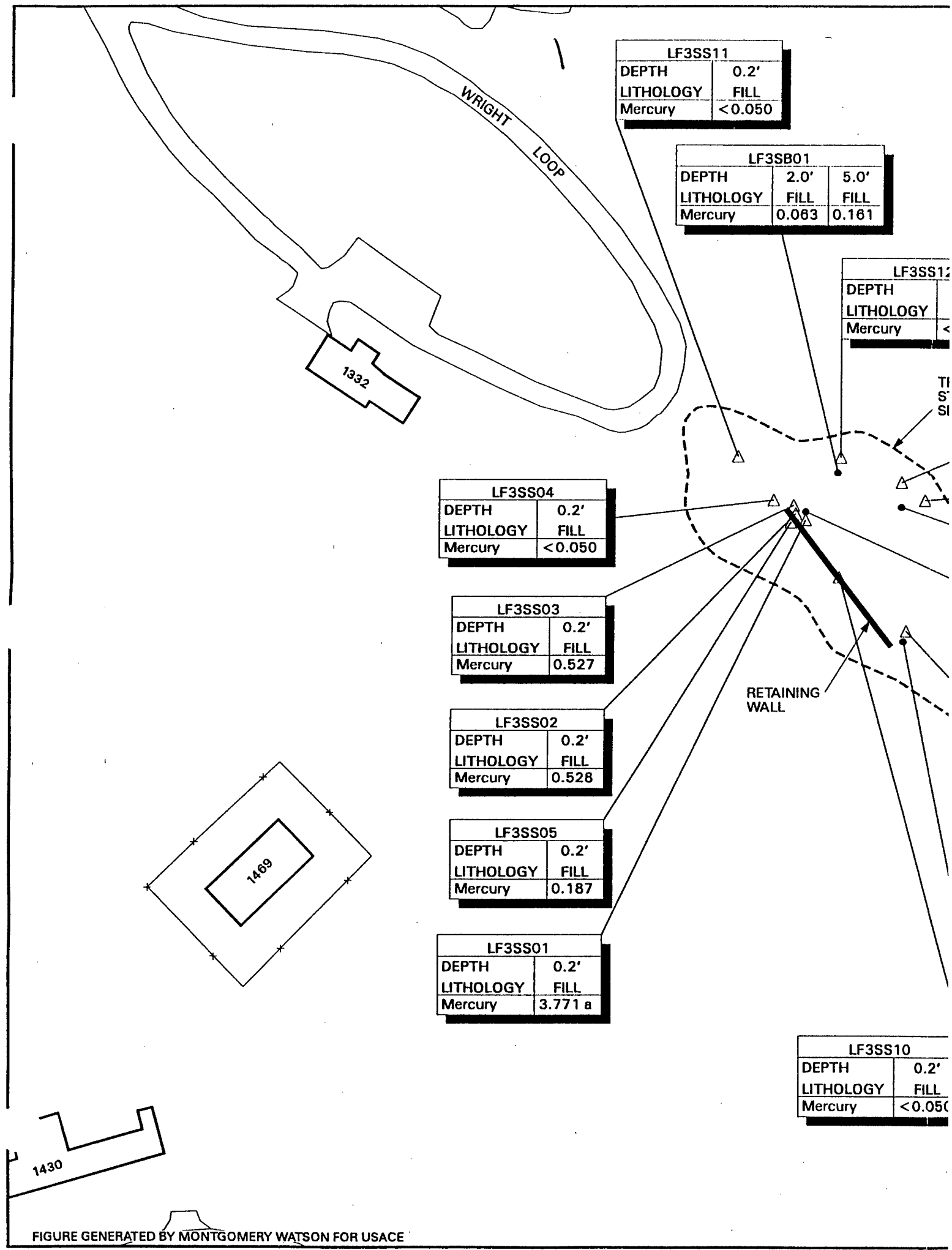
DAMES & MOORE

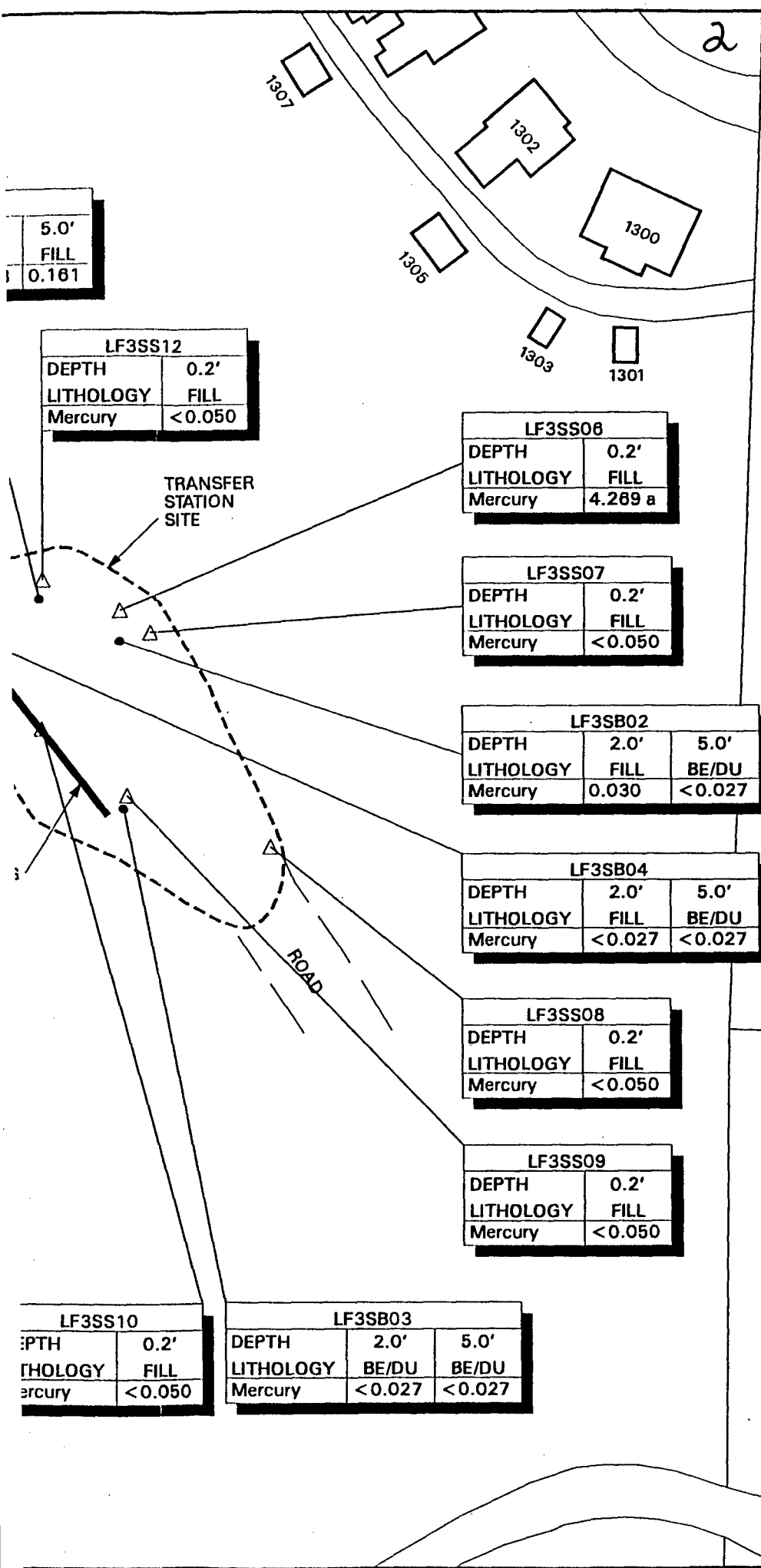
**TRANSFER STATION SITE
CONCENTRATIONS OF MANGANESE IN SOIL**

PSF26362

Date: January 1997

Figure 9.2-9





EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THIS SECTION.

5.0'
FILL
0.161

LF3SS12	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	<0.050

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	4.269 a

LF3SS07	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	<0.050

LF3SB02		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Mercury	0.030	<0.027

LF3SB04		
DEPTH	2.0'	5.0'
LITHOLOGY	FILL	BE/DU
Mercury	<0.027	<0.027

LF3SS08	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	<0.050

LF3SS09	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	<0.050

LF3SS10	
DEPTH	0.2'
LITHOLOGY	FILL
Mercury	<0.050

LF3SB03		
DEPTH	2.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Mercury	<0.027	<0.027



TRANSFER STATION SITE CONCENTRATIONS OF MERCURY

PSF26361

Date: January 1997

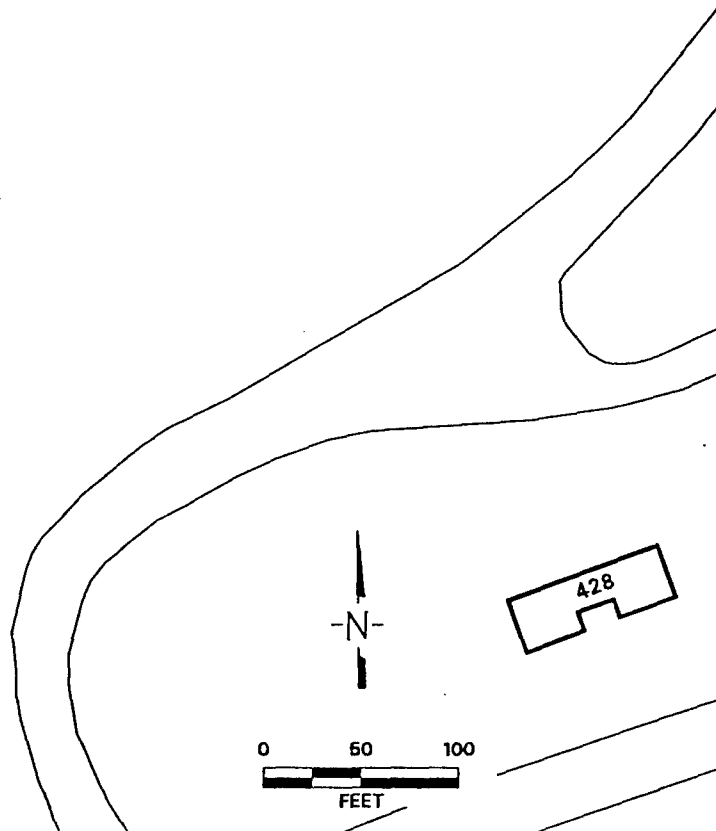
Figure 9

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

U
27
U
27



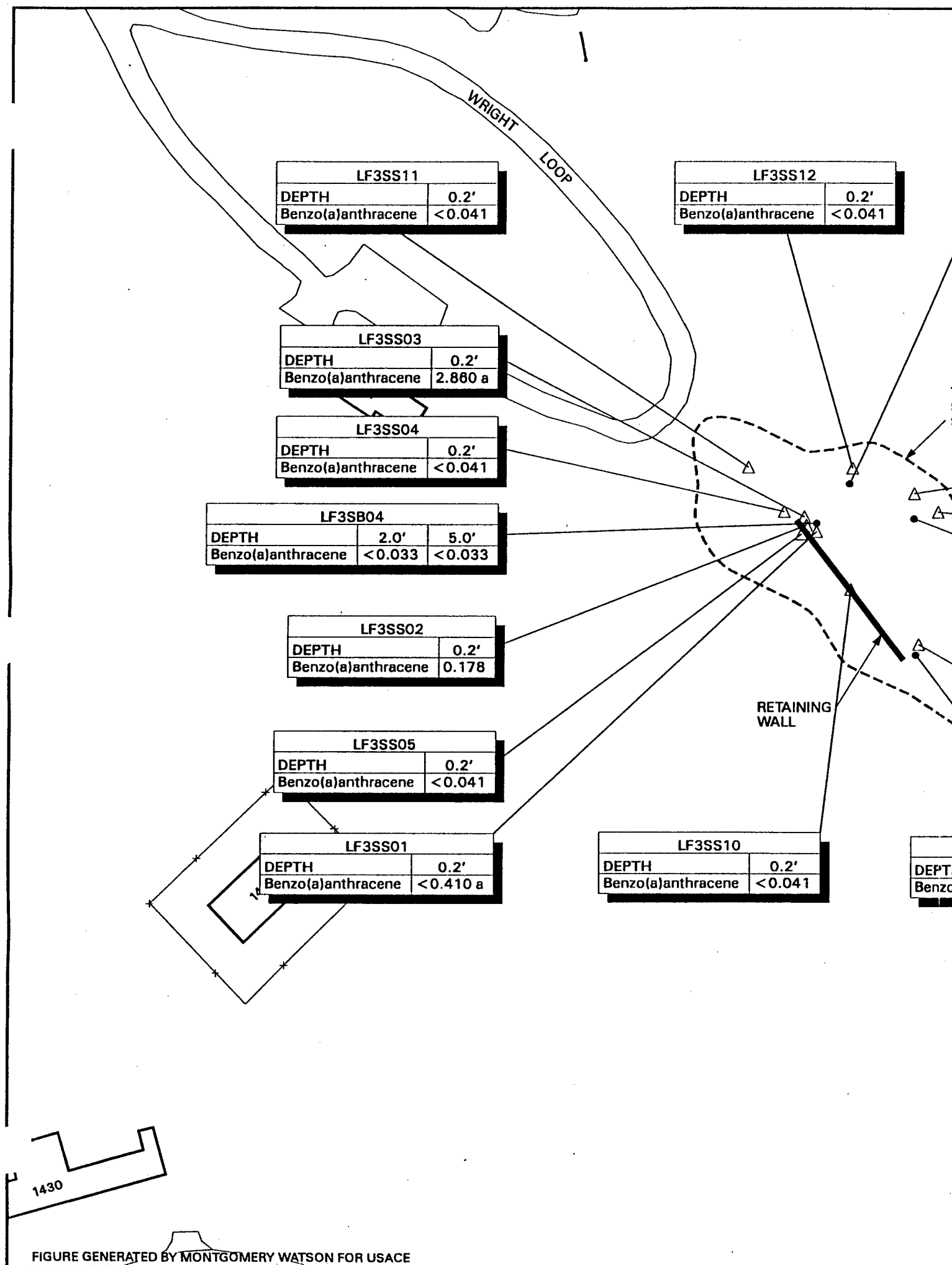
DAMES & MOORE

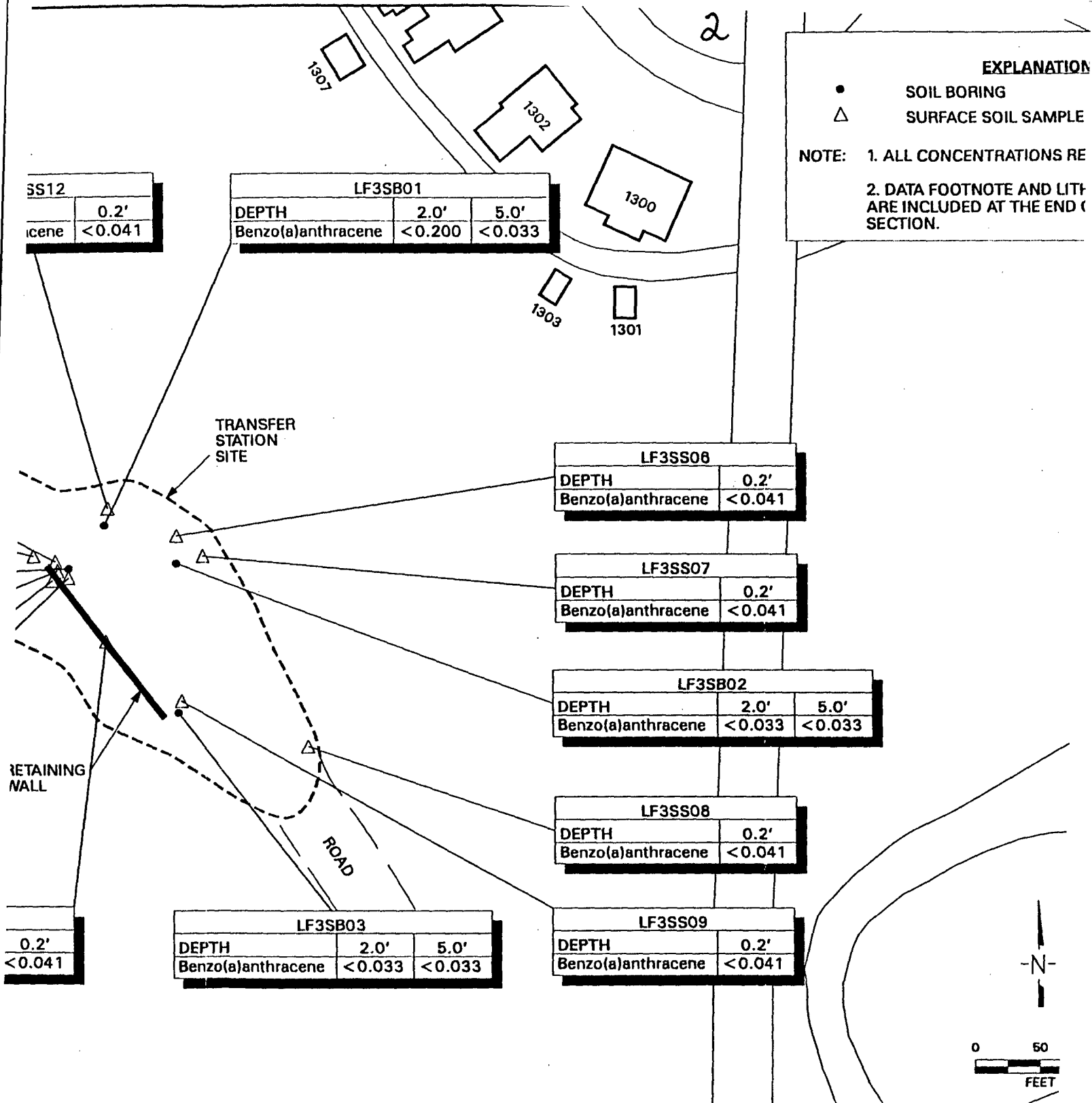
**TRANSFER STATION SITE
CONCENTRATIONS OF MERCURY IN SOIL**

PSF26361

Date: January 1997

Figure 9.2-10





TRANSFER ST/
CONCENTRATIONS OF BENZO(

PSF26365

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

LF3SS06

0.2'

anthracene <0.041

LF3SS07

0.2'

anthracene <0.041

LF3SB02

2.0'

5.0'

anthracene <0.033 <0.033

LF3SS08

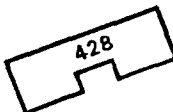
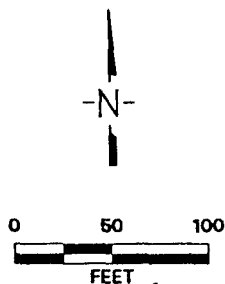
0.2'

anthracene <0.041

LF3SS09

0.2'

anthracene <0.041



DAMES & MOORE

**TRANSFER STATION SITE
CONCENTRATIONS OF BENZO(A)ANTHRACENE IN SOIL**

PSF26365

Date: January 1997

Figure 9.2-11

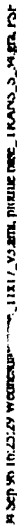
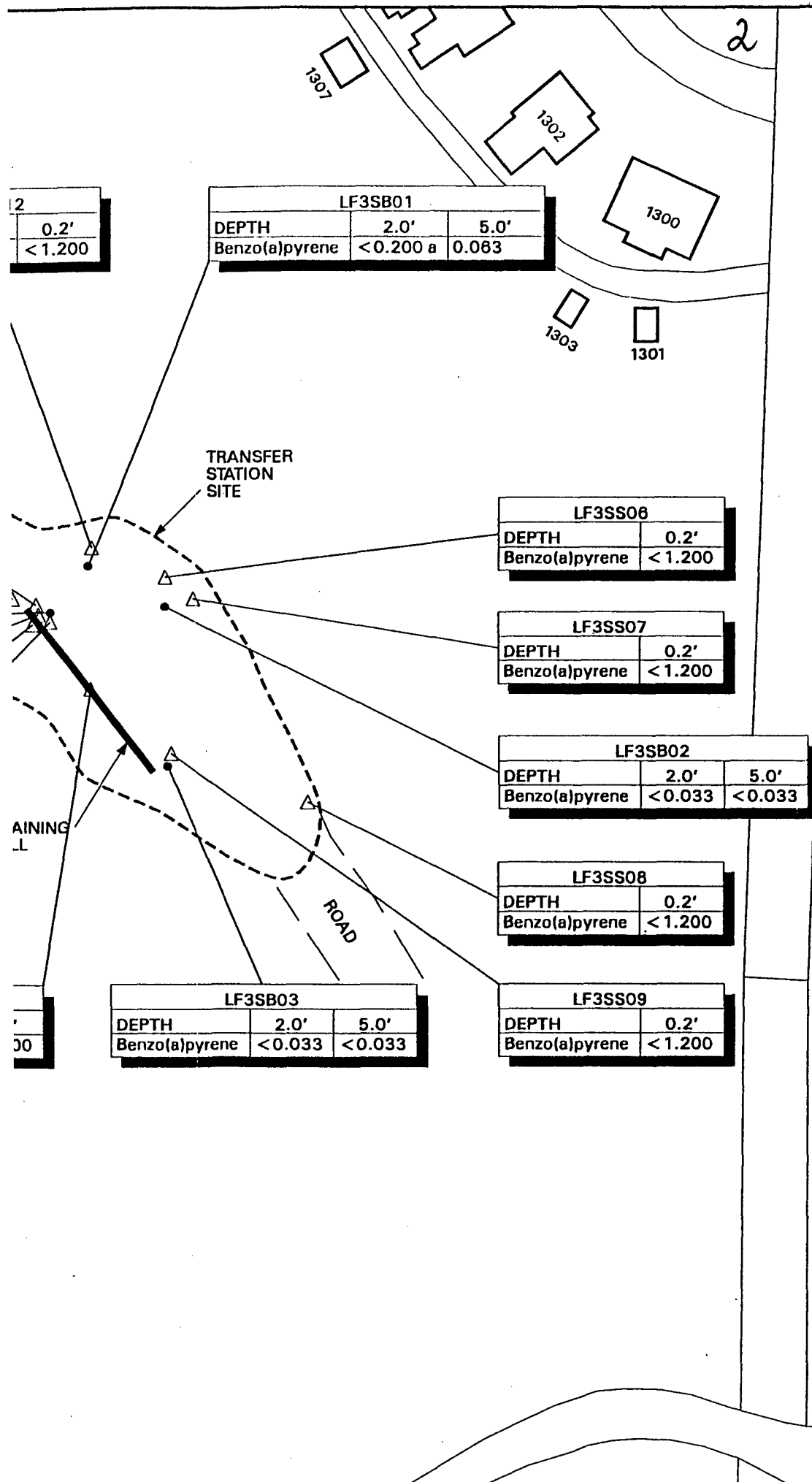


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REI
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END C SECTION.



TRANSFER STATIC
CONCENTRATIONS OF BENZO(A)

PSF26366

Date: January 1997

Fig

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

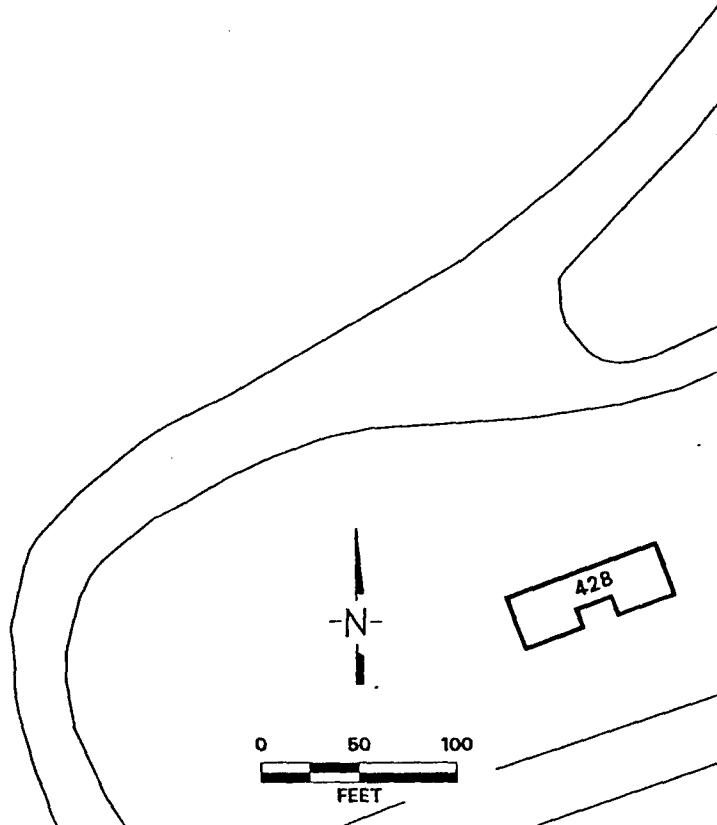
2'
200

2'
200

2	
0'	5.0'
033	<0.033

2'
200

2'
200



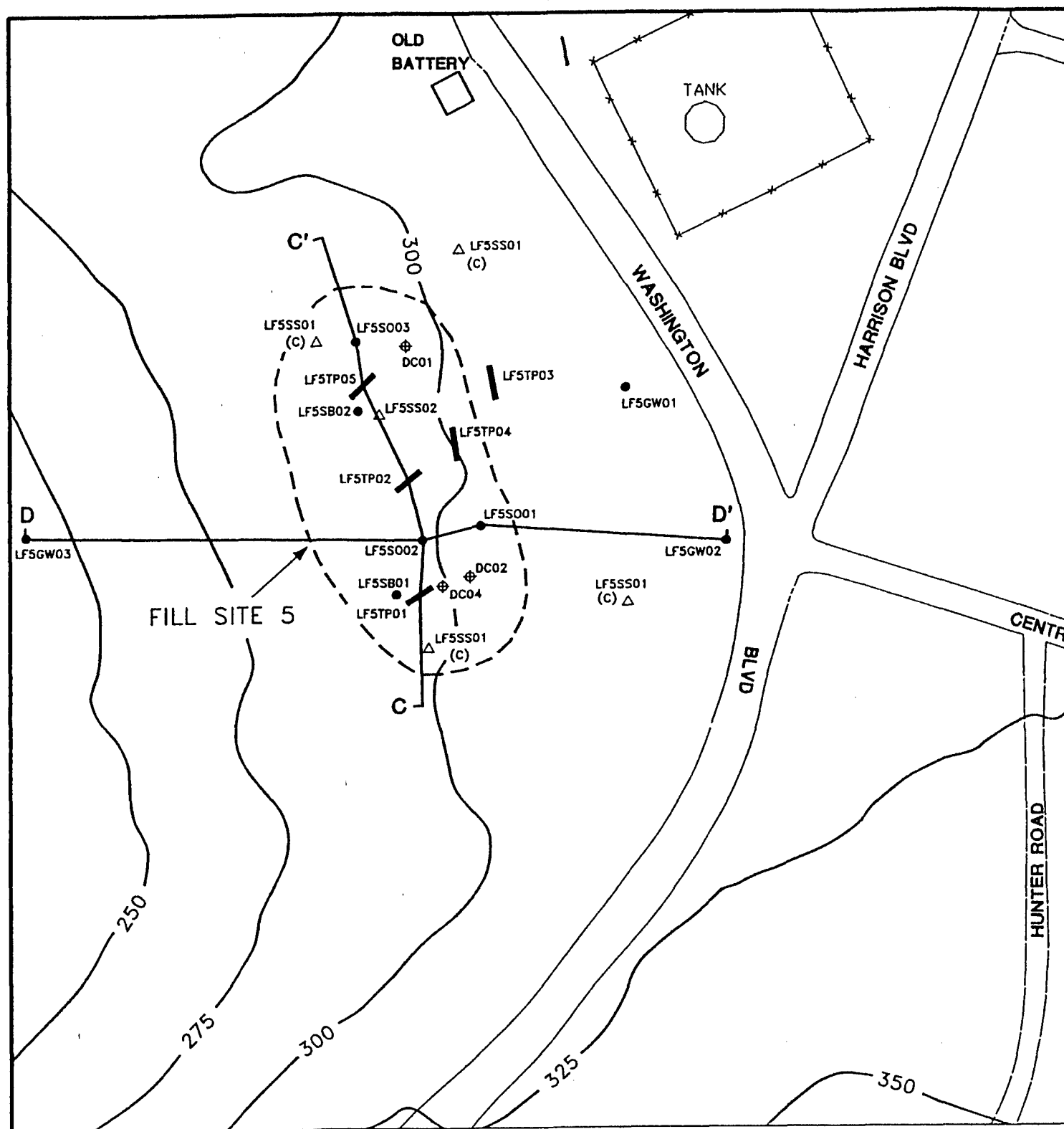
DAMES & MOORE

**TRANSFER STATION SITE
CONCENTRATIONS OF BENZO(A)PYRENE IN SOIL**

PSF26366

Date: January 1997

Figure 9.2-12



EXPLANATION

△ SURFACE SOIL SAMPLE
(C) INDICATES COMPOSITE

— TEST PIT

• SOIL BORING

○ MONITORING WELL

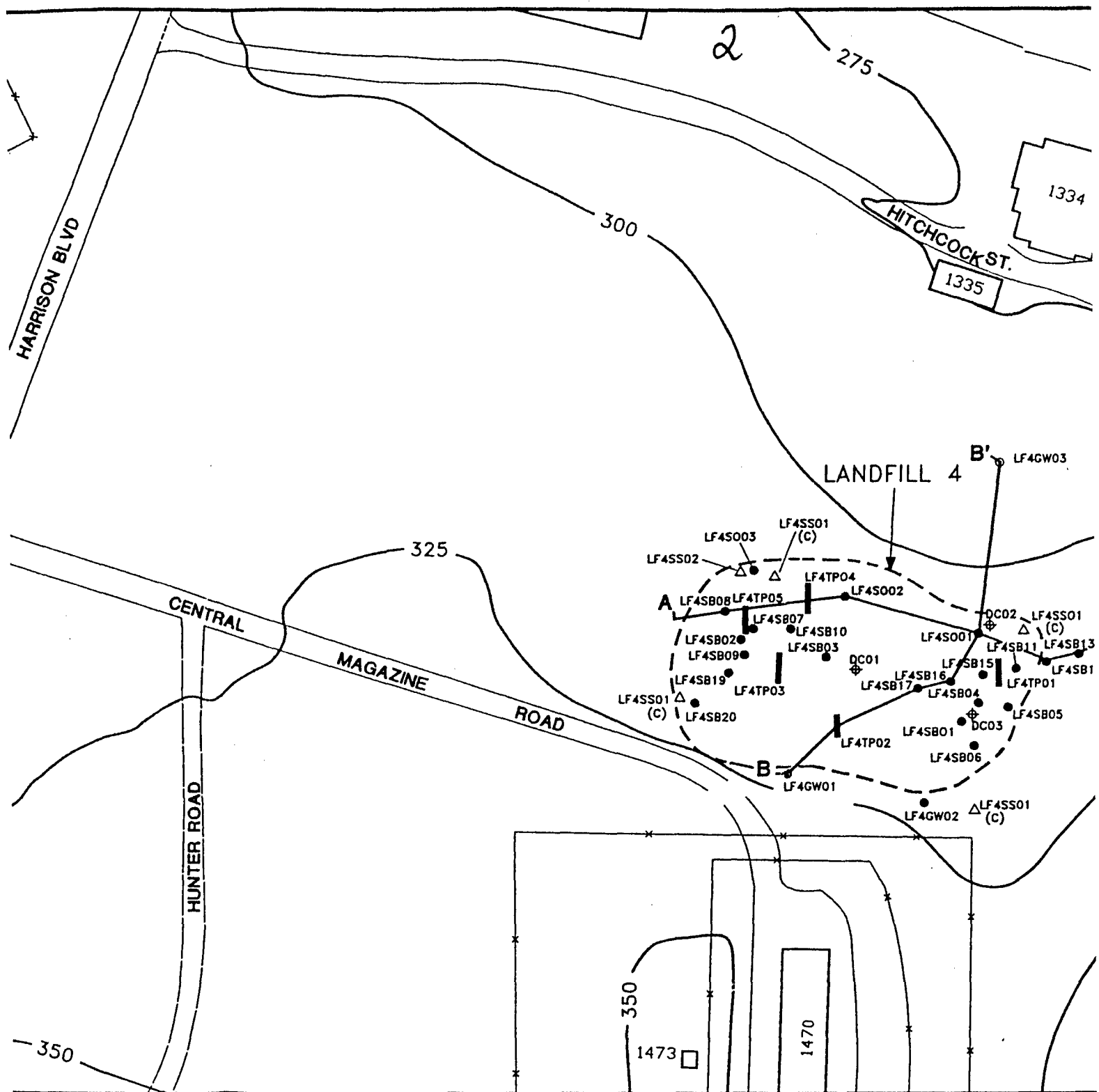
⊕ RESISTIVITY MEASUREMENT

B B' CROSS SECTION LOCATION

— 350 — TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

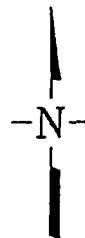
ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



R

FEET

LOW WATER



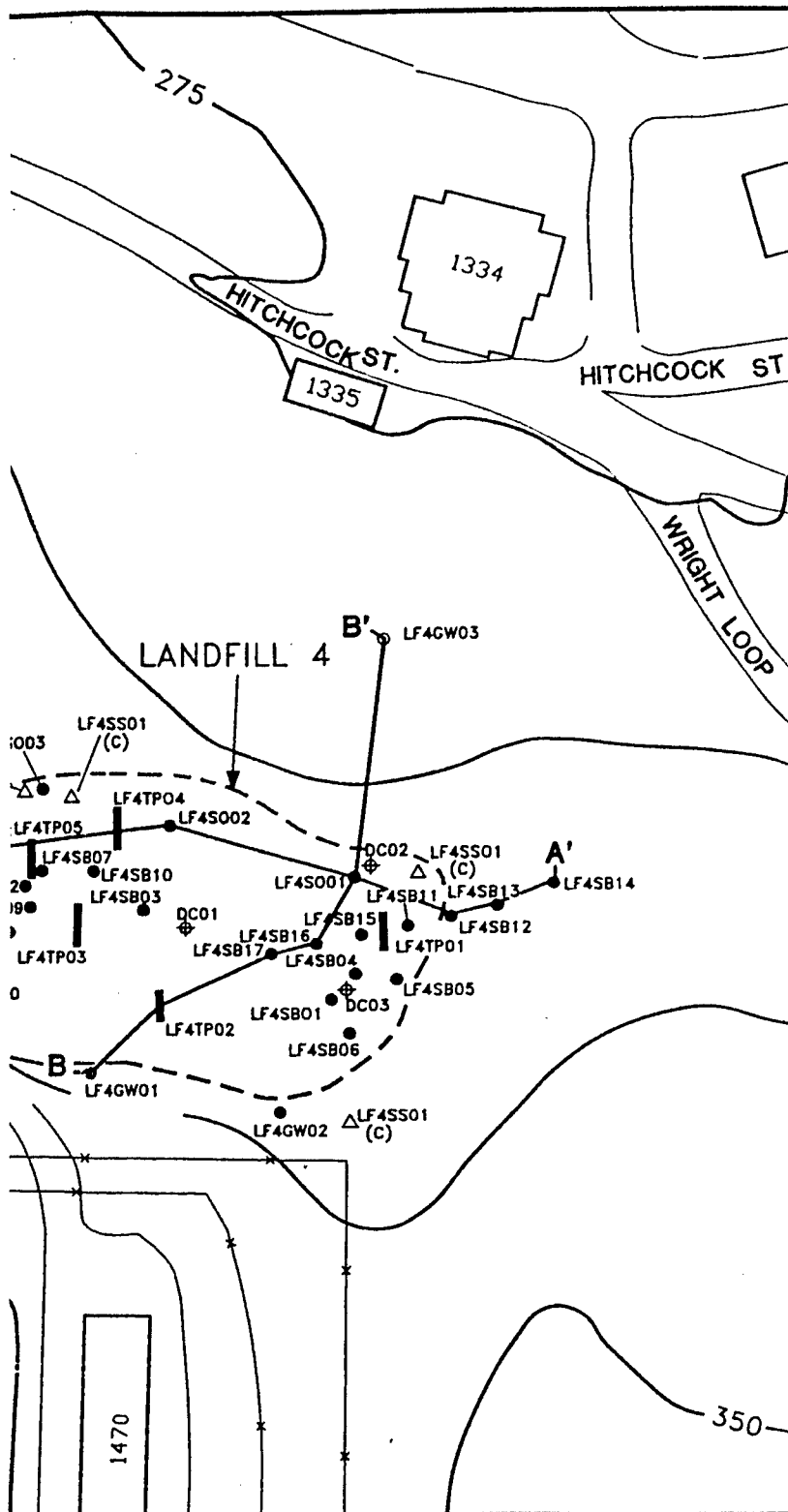
DAMES &

LANDFILL 4 & FI
SAMPLE & CROSS SEC

PSF25005/DV1

Date: January 1997

Fig



DAMES & MOORE

**LANDFILL 4 & FILL SITE 5
SAMPLE & CROSS SECTION LOCATIONS**

PSF25005/DV1

Date: January 1997

Figure 9.3-1

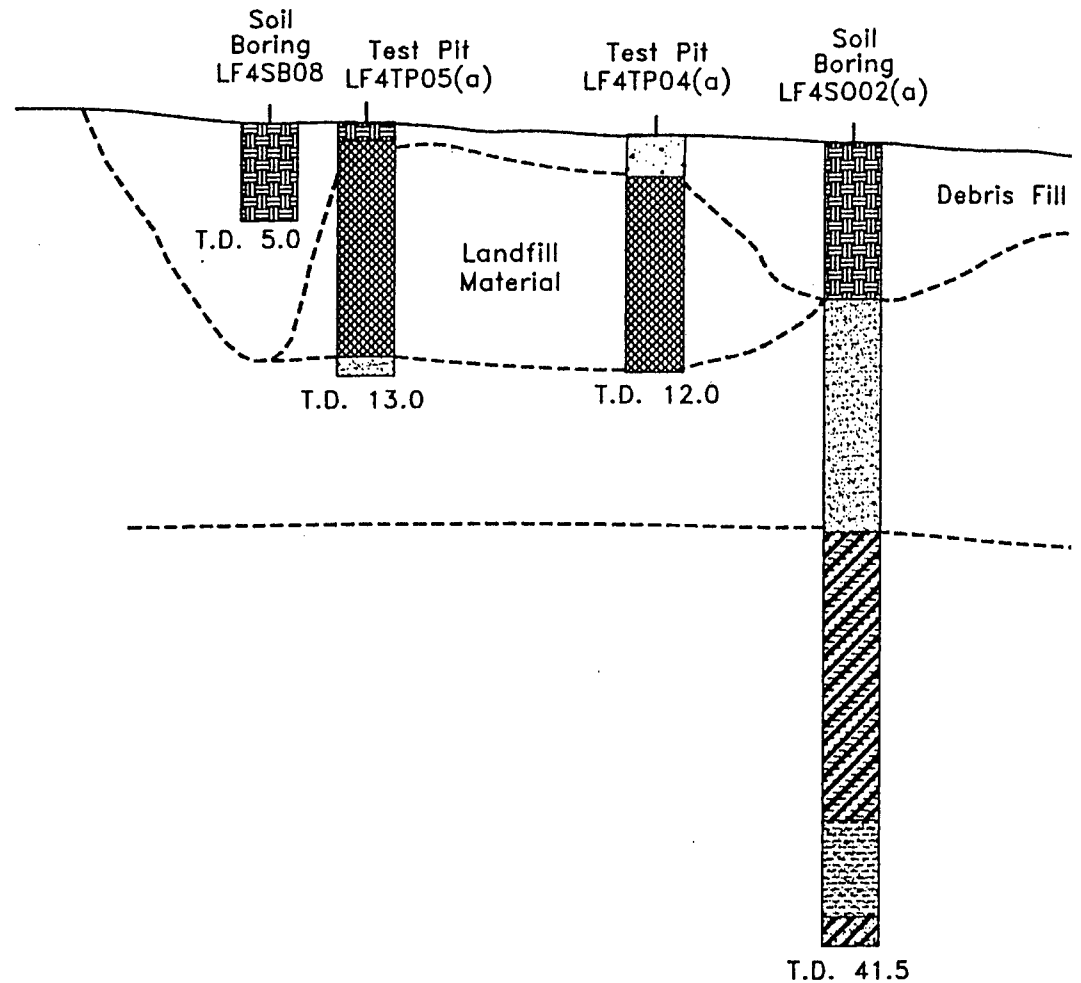
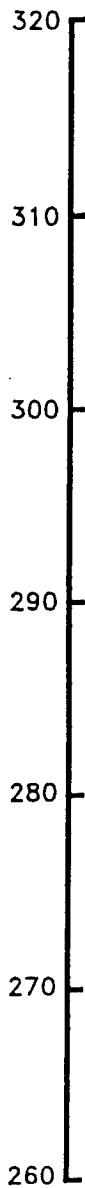
100



T

WEST A

Elevation
(ft-PLL)



EXPLANATION



Artificial Fill



Debris Fill



Landfill Material



Clay



Silt



Sand



Contact, dashed where inferred

T.D.

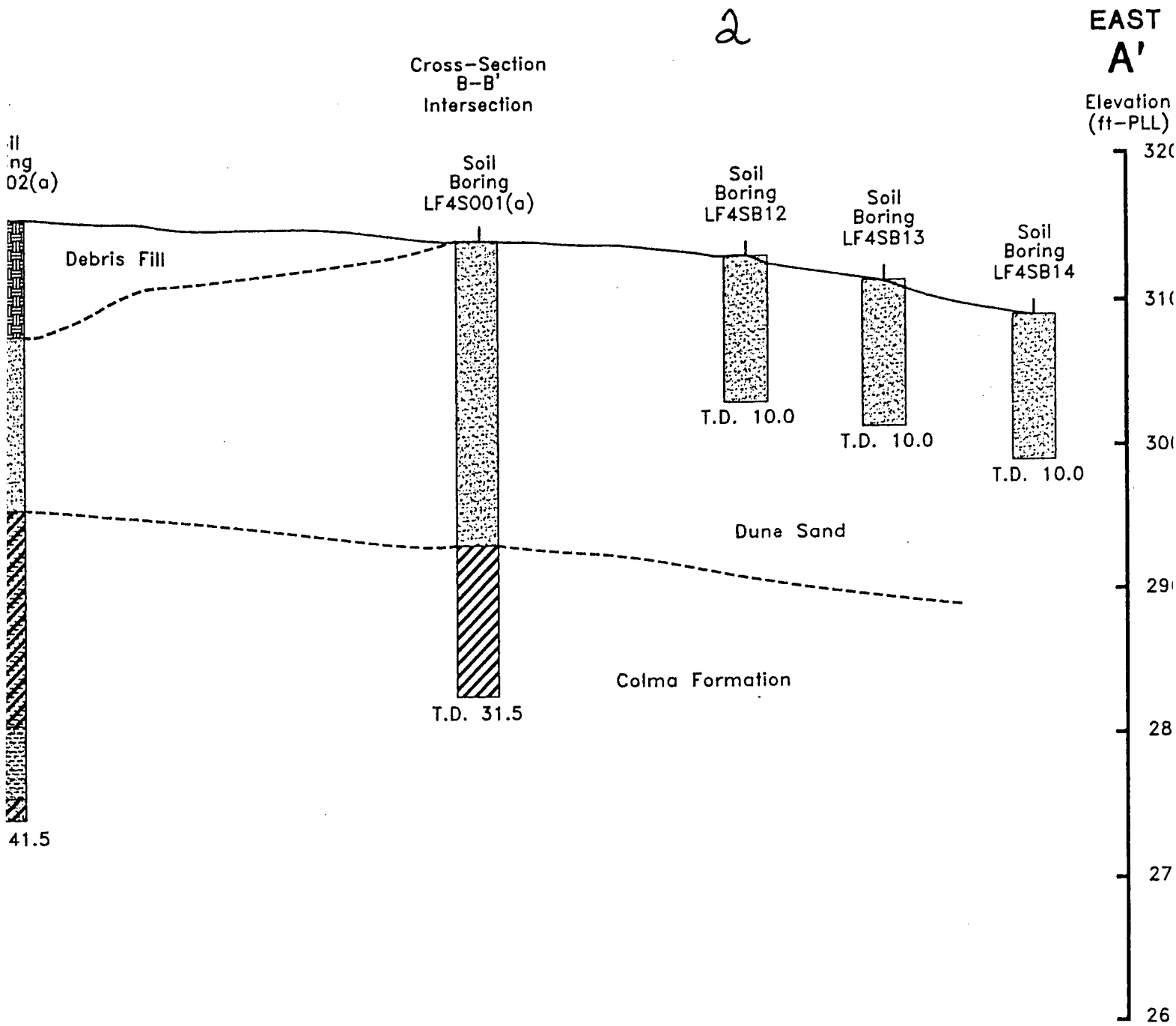
Total Depth (ft bgs)

ft-PLL

feet-Presidio Lower Low Water

(a)

Approximate Location & Elevation



where inferred

bgs)

ower Low Water

cation & Elevation

DAMES & MOORE

LANDFILL 4

CROSS SECTION A-A'

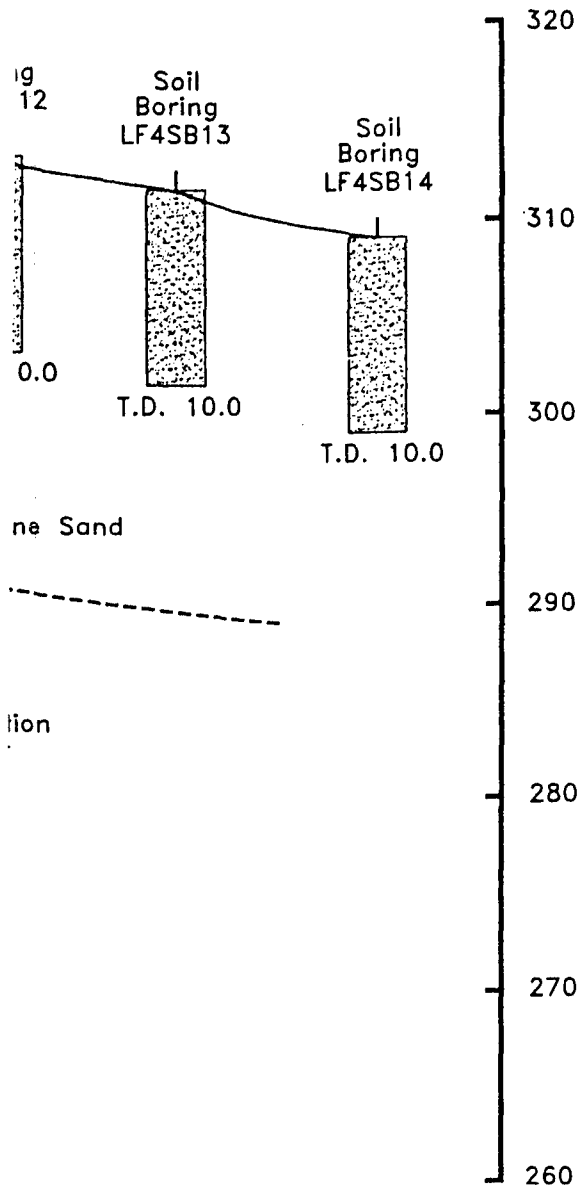
PSF25081/DV1

Date: January 1997

Figure 9.3

EAST A'

Elevation
(ft-PLL)



DAMES & MOORE

LANDFILL 4
CROSS SECTION A-A'

PSF25081/DV1

Date: January 1997

Figure 9.3-2

SOUTH

B

Elevation
(ft-PLL)

330

Soil Boring
LF4GW01(a)

Test Pit
LF4TP02(a)

Soil Boring
LF4SB17

Soil Boring
LF4SB16

Cross-Section
A-A'
Intersection

Soil Boring
LF4S001(a)

Debris Fill

T.D. 11.0

T.D. 10.0

T.D. 10.0

T.D. 31.5

320

310

300

290

280

270

260

T.D. 50.0

Franciscan
Formation

Colma Formation

EXPLANATION



Debris Fill



Clay



Silt



Sand



Serpentinite



Contact, dashed where inferred



Water Level (04/04/95)

T.D.

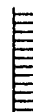
Total Depth (ft bgs)

ft-PLL

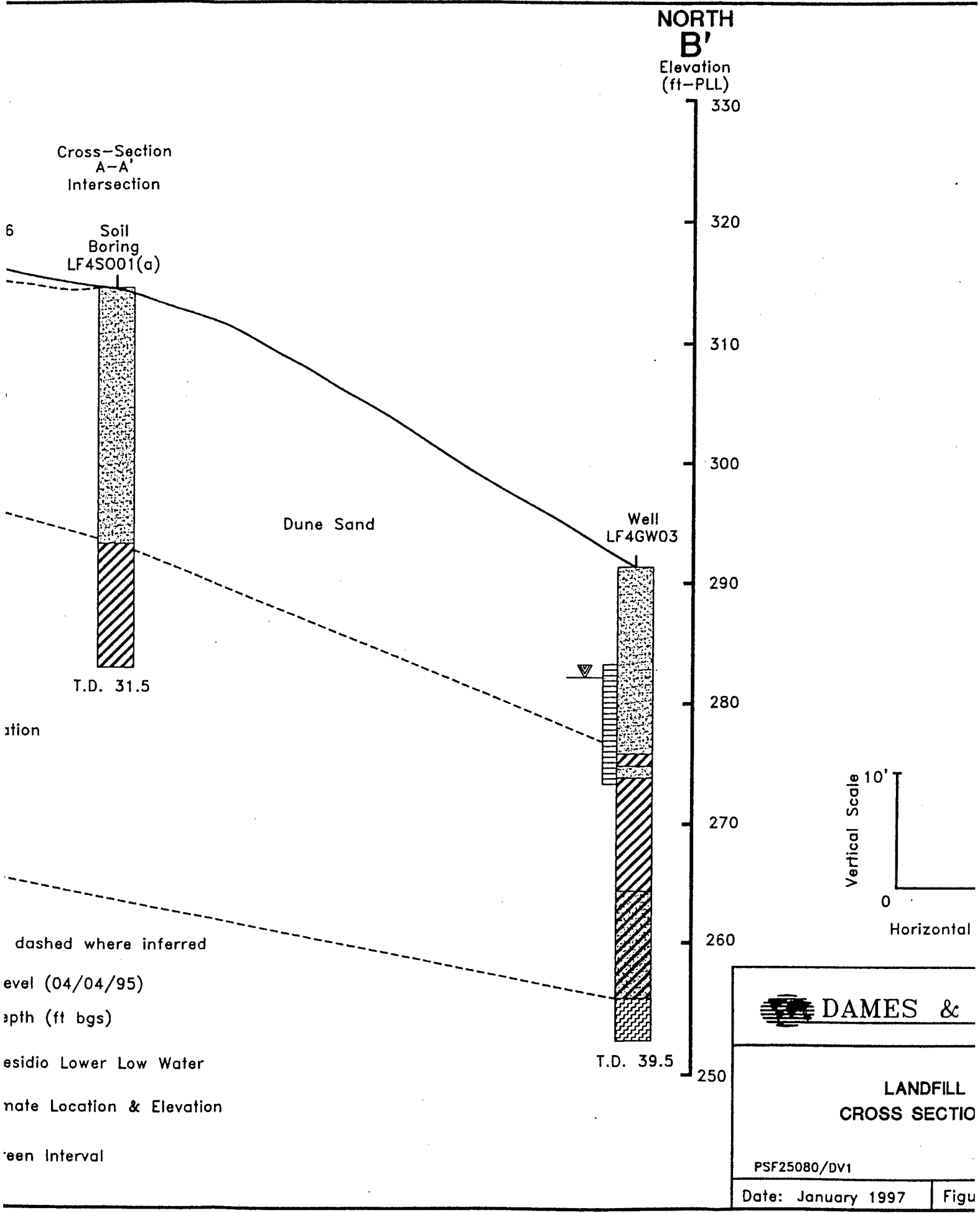
feet-Presidio Lower Low Water

(a)

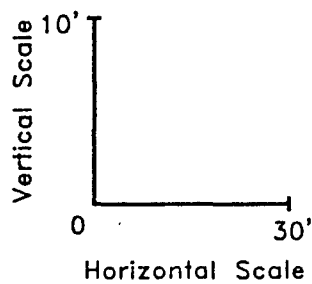
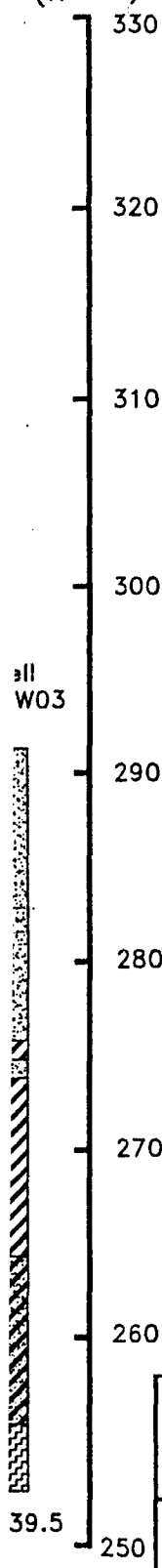
Approximate Location & Elevatio




Well Screen Interval



NORTH
B'
Elevation
(ft-PLL)



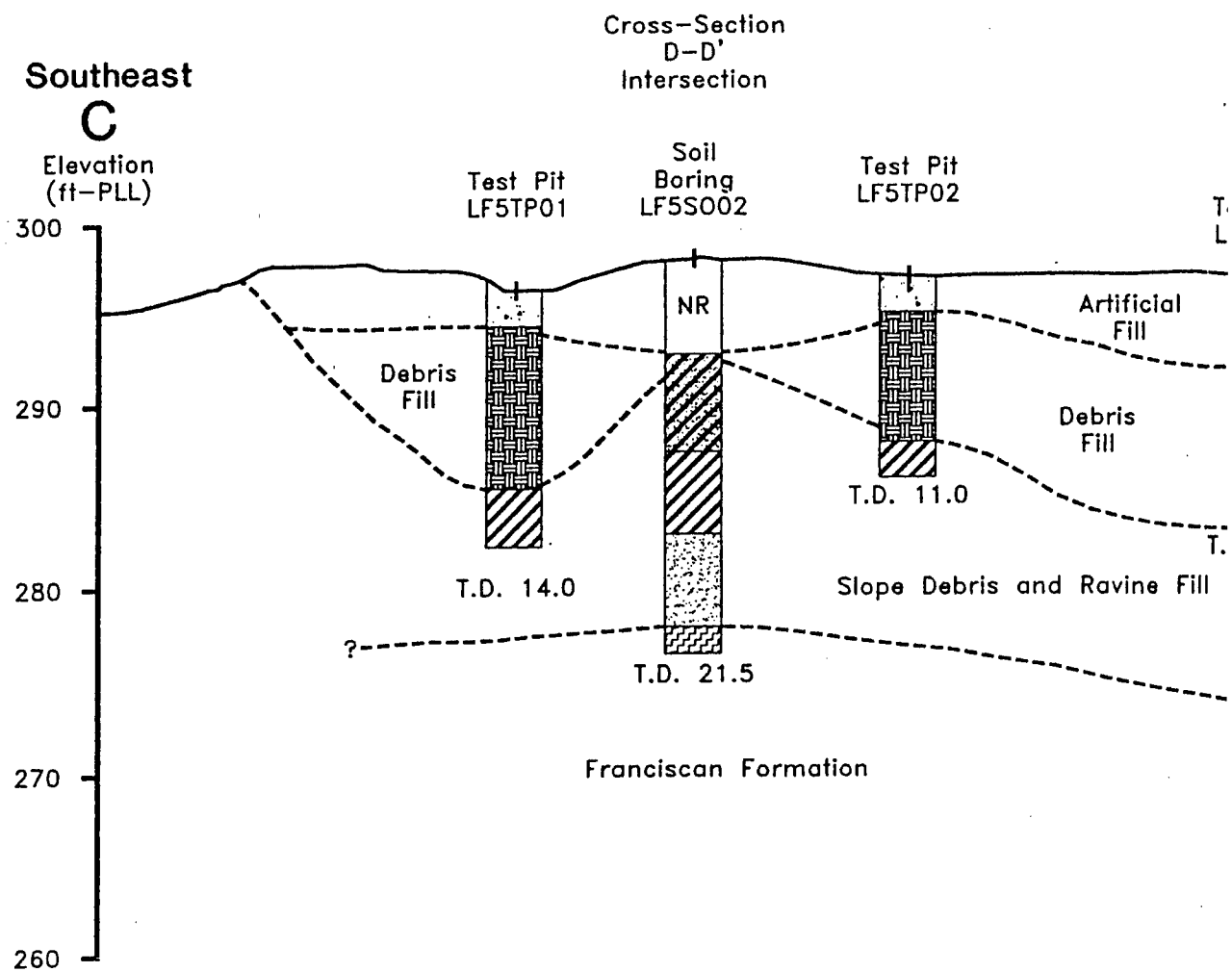
 **DAMES & MOORE**

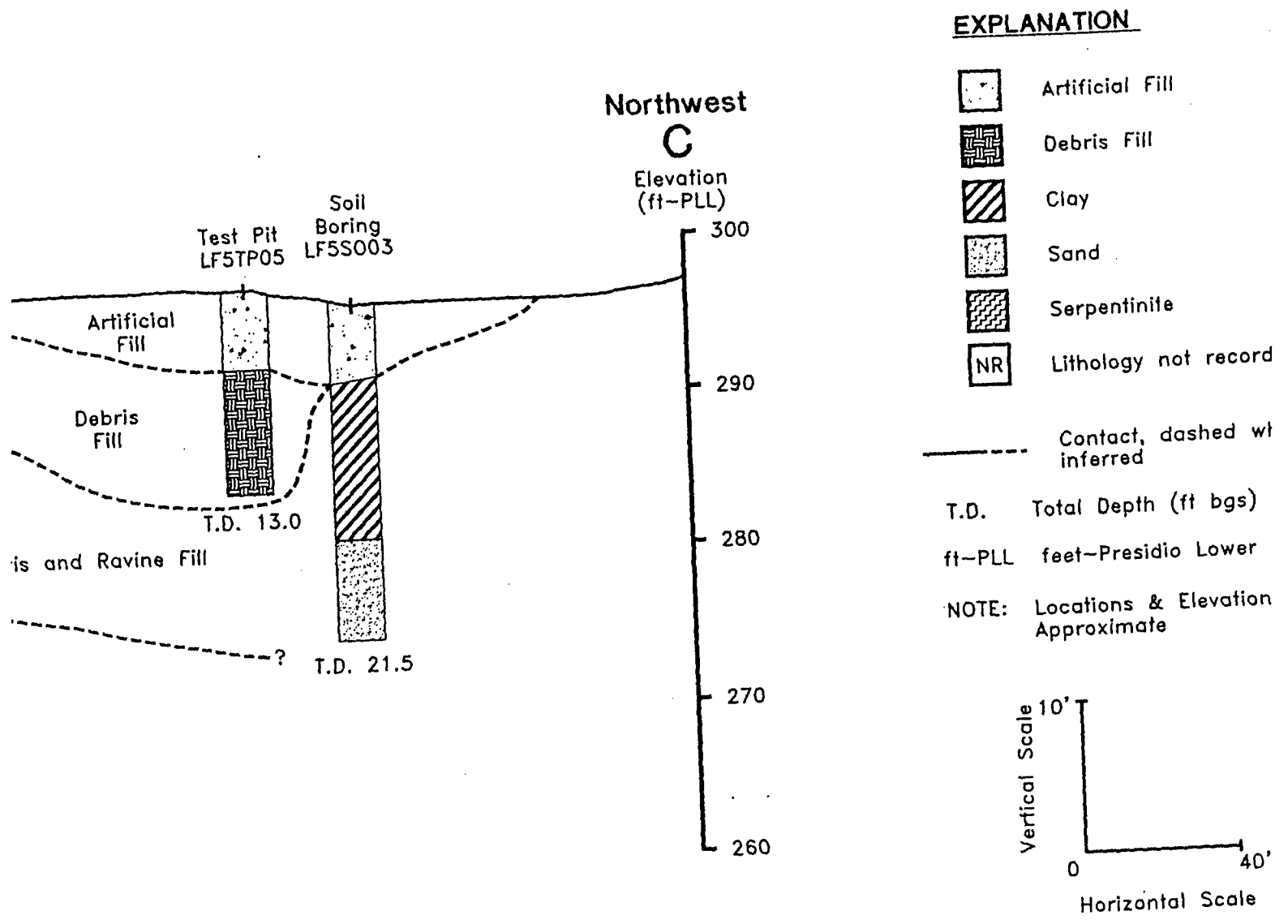
LANDFILL 4
CROSS SECTION B-B'


PSF25080/DV1

Date: January 1997

Figure 9.3-3






DAMES & MOHR

**FILL SITE 5
CROSS SECTION**

PSF25077/DV1

Date: January 1997	Figure
--------------------	--------

EXPLANATION

Artificial Fill



Debris Fill



Clay



Sand



Serpentinite



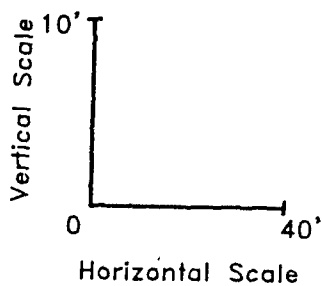

Lithology not recorded

----- Contact, dashed where
inferred

T.D. Total Depth (ft bgs)

ft-PLL feet-Presidio Lower Low Water

NOTE: Locations & Elevations are
Approximate



DAMES & MOORE

FILL SITE 5
CROSS SECTION C-C'

PSF25077/DV1

Date: January 1997

Figure 9.3-4

WEST
D

Elevation
(ft-PLL)

310

290

270

250

230

210

Soil
Boring
LF5GW03

T.D. 10.5

Artificial Fill

Franciscan

EXPLANATION



Clay



Silt



Sand



Gravel



Serpentine



Lithology not recorded



Contact, dashed where inferred

T.D.

Total Depth (ft bgs)

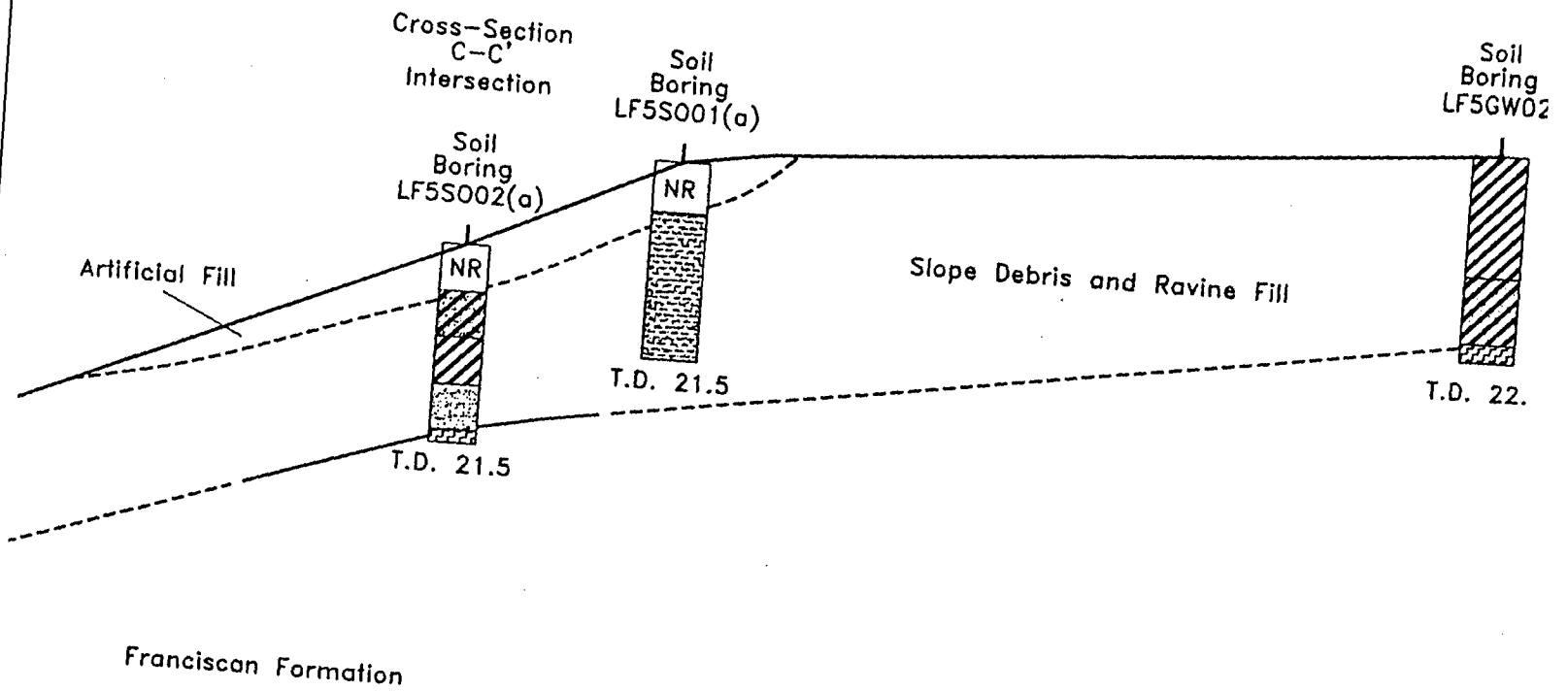
ft-PLL

feet-Presidio Lower Low Water

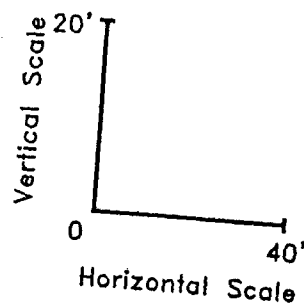
(a)

Approximate Location and Elevation

2



hed where inferred
(ft bgs)
o Lower Low Water
Location and Elevation



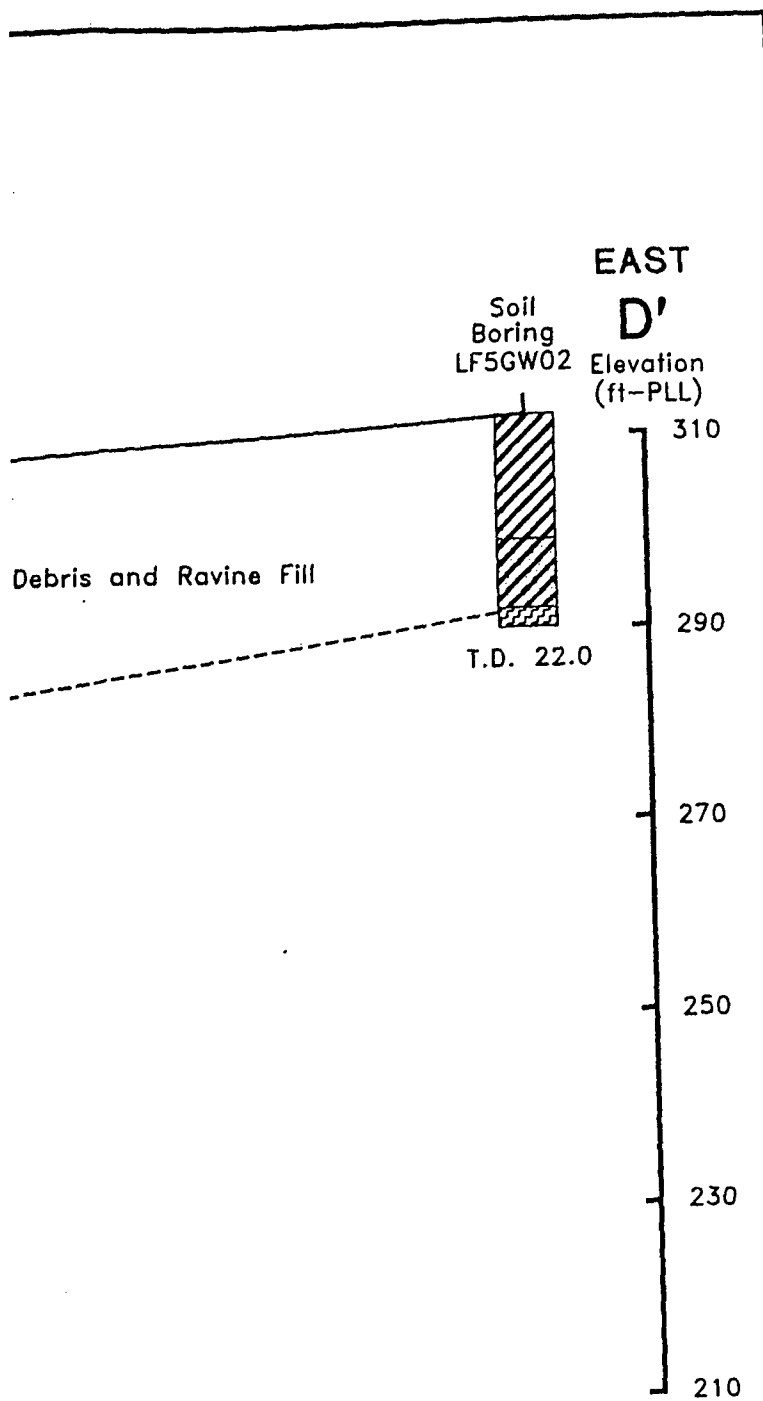
 DAMES & MOORE

FILL SITE 5
CROSS SECTION D

PSF25076/DV1

Date: January 1997

Figure



DAMES & MOORE

**FILL SITE 5
CROSS SECTION D-D'**

PSF25076/DV1

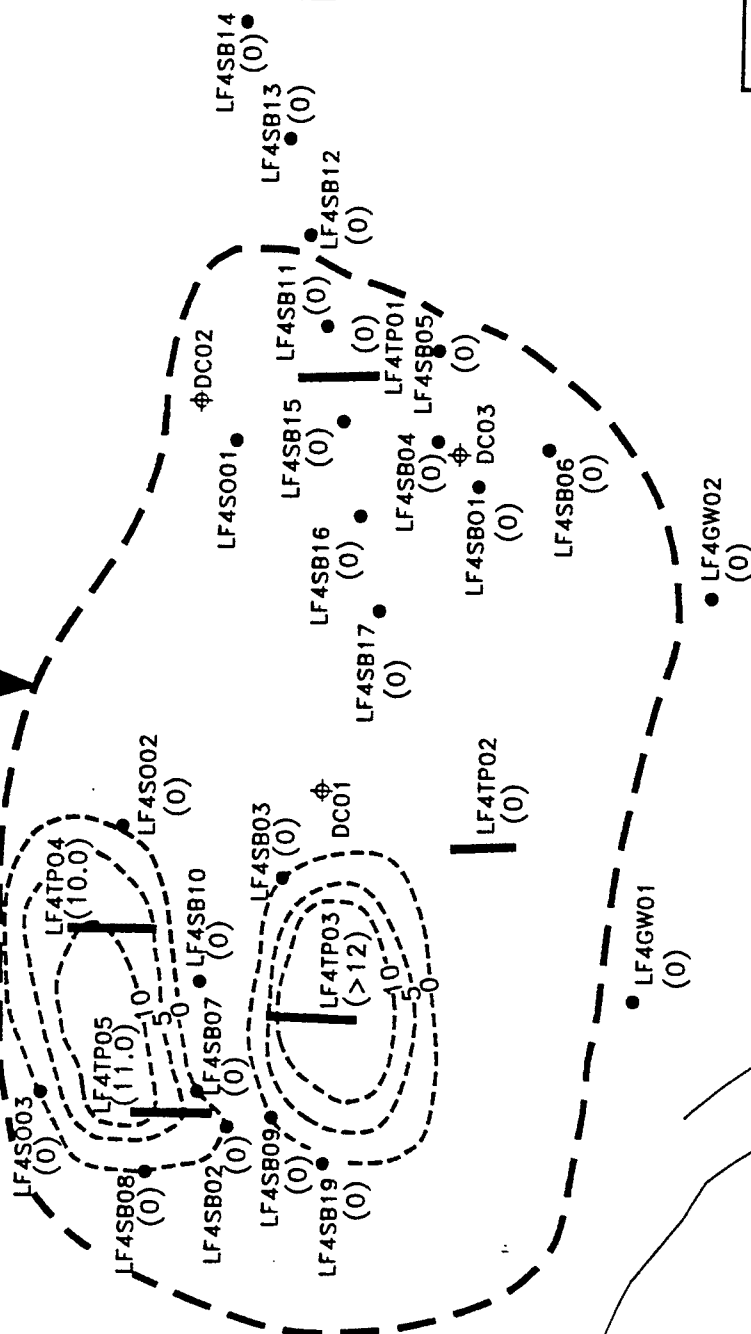
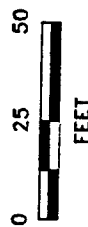
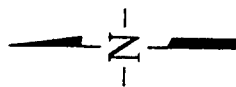
Date: January 1997

Figure 9.3-5

LANDFILL 4

EXPLANATION

- TEST PIT
- SOIL BORING
- ⊕ RESISTIVITY MEASUREMENT
- (11.0) LANDFILL MATERIAL THICKNESS IN FEET
- - - LANDFILL MATERIAL THICKNESS CONTOUR (DASHED WHERE INFERRED)
- 5 CONTOUR INTERVAL 5 FEET



DAMES & MOORE

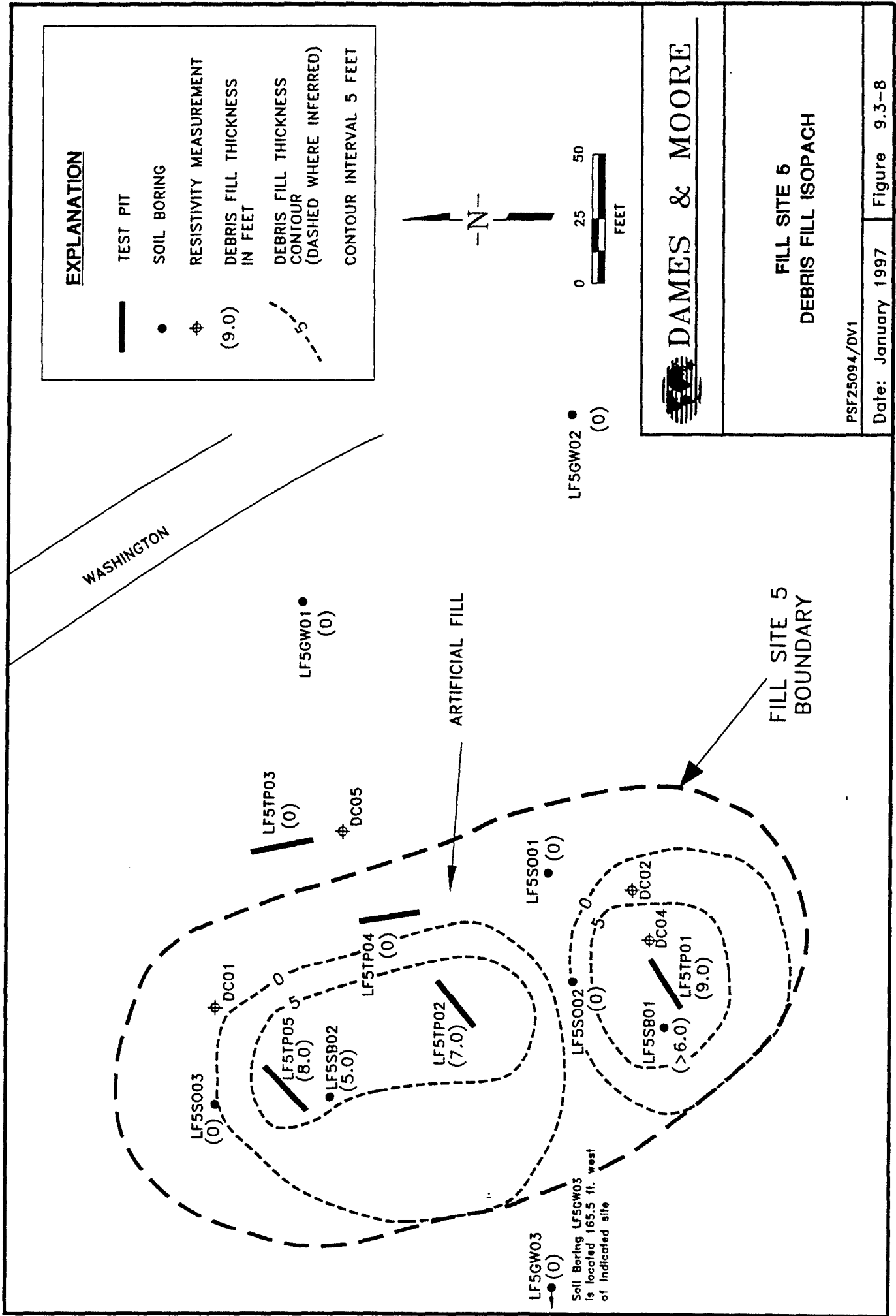
LANDFILL 4 LANDFILL MATERIAL ISOPACH

PSF25074/DV1

Date: January 1997

Figure 9.3-6





EXPLANATION

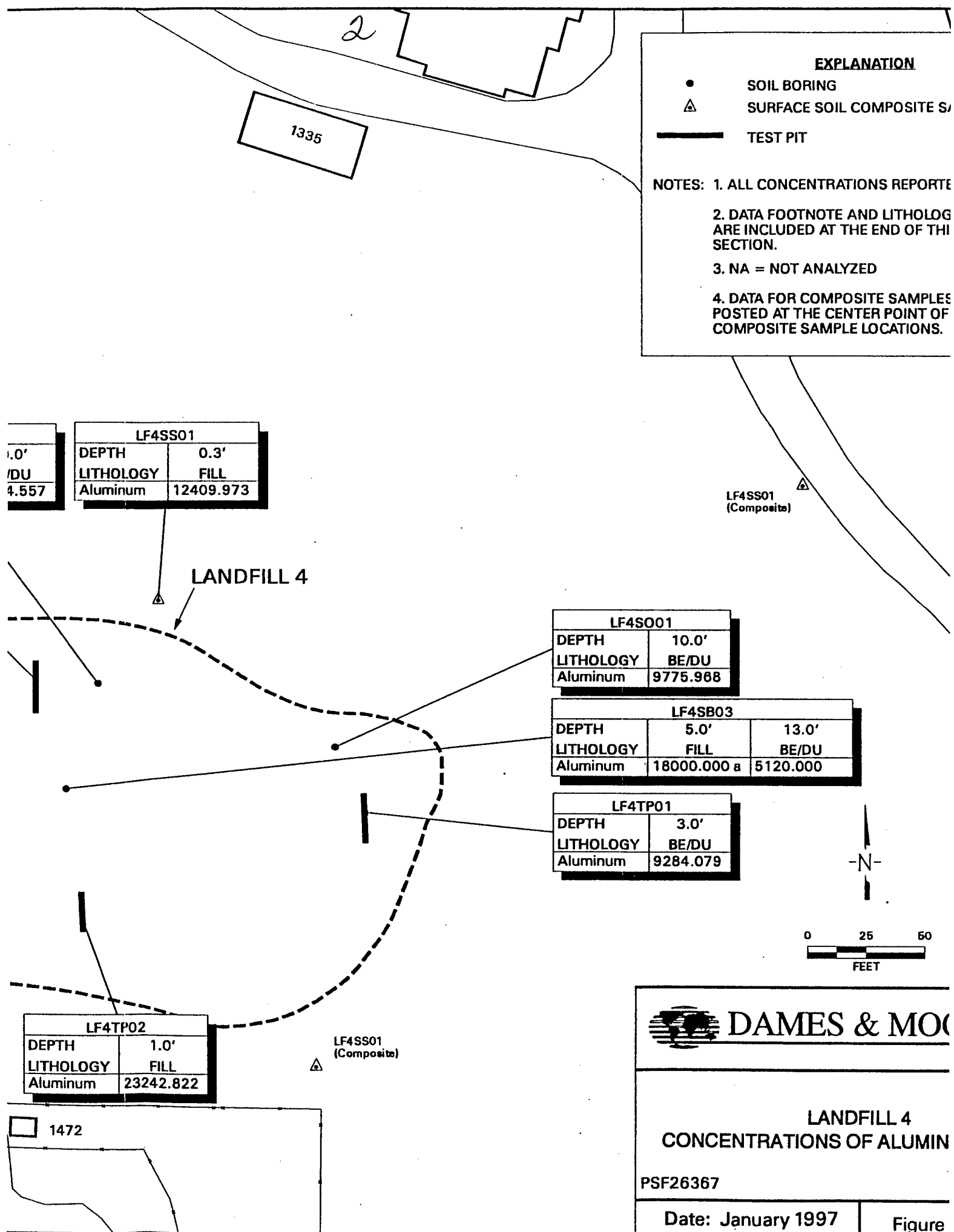
- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS REPORT ARE IN MILLIGRAMS PER KILOGRAM (MG/KG) UNLESS OTHERWISE NOTED.

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.



EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

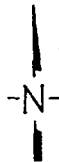
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

LF4SO01	
PTH	10.0'
LITHOLOGY	BE/DU
Aluminum	9775.988

LF4SB03		
PTH	5.0'	13.0'
LITHOLOGY	FILL	BE/DU
Aluminum	18000.000 a	5120.000

LF4TP01	
PTH	3.0'
LITHOLOGY	BE/DU
Aluminum	9284.079



DAMES & MOORE

**LANDFILL 4
CONCENTRATIONS OF ALUMINUM IN SOIL**

PSF26367

Date: January 1997

Figure 9.3-9



LF4SS01
(Composite)

LF4TP04	
DEPTH	3.0'
LITHOLOGY	FILL
Iron	20118.027

LF4S002	
DEPTH	10.0'
LITHOLOGY	BE/DU
Iron	17199.744

DE
LIT
Iro

LF4S003	
DEPTH	10.0'
LITHOLOGY	BE/DU
Iron	20895.908

△ LF4SS01
(Composite)

LF4TP05	
DEPTH	3.0'
LITHOLOGY	FILL
Iron	23753.129

CENTRAL MAGAZINE ROAD

LF4TP03	
DEPTH	10.0'
LITHOLOGY	FILL
Iron	51432.559

LF4TP	
DEPTH	
LITHOLOGY	
Iron	

1335

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE S/
- TEST PIT

- NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THIS SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF COMPOSITE SAMPLE LOCATIONS.

02		
10.0'	LF4SS01	
BE/DU	DEPTH	0.3'
7199.744	LITHOLOGY	FILL
	Iron	24308.652

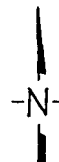
LF4SS01
(Composite)

LANDFILL 4

LF4SB03		
DEPTH	5.0'	13.0'
LITHOLOGY	FILL	BE/DU
Iron	33000.000 a	14000.000 a

LF4S001	
DEPTH	10.0'
LITHOLOGY	BE/DU
Iron	14455.107

LF4TP01	
DEPTH	3.0'
LITHOLOGY	BE/DU
Iron	19190.615



0 25 50
FEET

LF4SS01
(Composite)

LF4TP02	
DEPTH	1.0'
LITHOLOGY	FILL
Iron	41720.645



DAMES & MOE

LANDFILL 4 CONCENTRATIONS OF IRON

PSF26368

Date: January 1997

Figure 9

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

LF4SB03

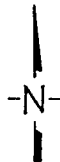
DEPTH	5.0'	13.0'
LITHOLOGY	FILL	BE/DU
	33000.000 a	14000.000 a

LF4S001

DEPTH	10.0'
LITHOLOGY	BE/DU
	14455.107

LF4TP01

DEPTH	3.0'
LITHOLOGY	BE/DU
	19190.615



DAMES & MOORE

LANDFILL 4 CONCENTRATIONS OF IRON IN SOIL

PSF26368

Date: January 1997

Figure 9.3-10

△
LF4SS01
(Composite)

DEPTH
LITHOLOGY
Lead

LF4SO03	
DEPTH	10.0'
LITHOLOGY	BE/DU
Lead	11.183

LF4SB10					
DEPTH	0.5'	3.0'	5.0'	11.0'	14.0'
LITHOLOGY	FILL	FILL	FILL	BE/DU	BE/DU
Lead	97	NA	NA	NA	NA
Lead-XRF	134	940	519	< 25	< 25

LF4SB08			
DEPTH	0.5'	3.0'	5.0'
LITHOLOGY	FILL	FILL	FILL
Lead-XRF	99.7	132	69.9

LF4TP05	
DEPTH	3.0'
LITHOLOGY	FILL
Lead	554.640

LF4SB07	
DEPTH	5.0'
LITHOLOGY	FILL
Lead-XRF	151

LF4SB09			
DEPTH	0.5'	3.0'	5.0'
LITHOLOGY	FILL	FILL	FILL
Lead-XRF	< 25	845	< 25

LF4SB19			
DEPTH	3.0'	5.0'	11.0'
LITHOLOGY	FILL	FILL	BE/DU
Lead	52.9	827	1.33
Lead-XRF	648	< 25	< 25

LF4SB20			
DEPTH	3.0'	5.0'	10.0'
LITHOLOGY	FILL	BE/DU	BE/DU
Lead	27	19	3.4

LF4TP03	
DEPTH	10.0'
LITHOLOGY	FILL
Lead	17.708

DEPTH
LITHOLOGY
Lead

1472

CENTRAL MAGAZINE ROAD

△ LF4SS01
(Composite)

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORT
2. DATA FOOTNOTE AND LITHOLG ARE INCLUDED AT THE END OF TI SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLI POSTED AT THE CENTER POINT C COMPOSITE SAMPLE LOCATIONS

LF4TP04	
DEPTH	3.0'
LITHOLOGY	FILL
Lead	52.500

LF4SS01	
DEPTH	0.3'
LITHOLOGY	FILL
Lead	103.117

11.0'	14.0'
BE/DU	BE/DU
NA	NA
< 25	< 25

LF4SO02	
DEPTH	10.0'
LITHOLOGY	BE/DU
Lead	< 7.440

LF4SB03		
DEPTH	5.0'	13.0'
LITHOLOGY	FILL	BE/DU
Lead	11.200	2.120

LF4SO01	
DEPTH	10.0'
LITHOLOGY	BE/DU
Lead	< 7.440

LF4TP01	
DEPTH	3.0'
LITHOLOGY	BE/DU
Lead	599.380

LF4SB05			
DEPTH	0.5'	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead-XRF	474	< 25	< 25

LF4SB04	
DEPTH	5.0'
LITHOLOGY	BE/DU
Lead	1.35
Lead-XRF	< 25

LF4TP03	
DEPTH	10.0'
LITHOLOGY	FILL
Lead	17.708

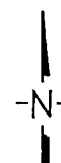
LF4TP02	
DEPTH	1.0'
LITHOLOGY	FILL
Lead	86.895

LF4SB06			
DEPTH	0.5'	3.0'	5.0'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead	NA	NA	1.17
Lead-XRF	426	< 25	< 25

LF4SS01
(Composite)

LANDFILL 4

LF4SS01
(Composite)



0 25 50
FEET



DAMES & MO

LANDFILL 4 CONCENTRATIONS OF LEAD

PSF26370

Date: January 1997

Figure

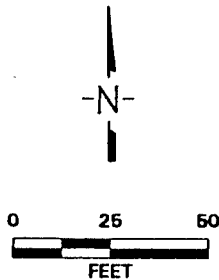
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

U	10
13.0'	BE/DU
0	2.120
U	10
U	80
105	
3.0'	5.0'
BE/DU	BE/DU
<25	<25



DAMES & MOORE

**LANDFILL 4
CONCENTRATIONS OF LEAD IN SOIL**

PSF26370

Date: January 1997

Figure 9.3-11

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOS
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REI
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END C SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAM POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATI

LF4S002	
DEPTH	10.0'
LITHOLOGY	BE/DU
Manganese	245.648

LF4SS01	
DEPTH	0.3'
LITHOLOGY	FILL
Manganese	419.741

LANDFILL 4

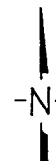
LF4SB03		
DEPTH	5.0'	13.0'
LITHOLOGY	FILL	BE/DU
Manganese	518.000	133.000 f

LF4S001	
DEPTH	10.0'
LITHOLOGY	BE/DU
Manganese	172.365

LF4TP01	
DEPTH	3.0'
LITHOLOGY	BE/DU
Manganese	1578.057 a

LF4TP02	
DEPTH	1.0'
LITHOLOGY	FILL
Manganese	1622.672 a

LF4SS01 (Composite)



0 25
FEET



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF MANGANESE

PSF26369

Date: January 1997

Fig

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

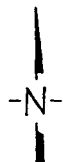
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

LF4SB03	
5.0'	13.0'
FILL	BE/DU
518.000	133.000 f

001	
10.0'	
BE/DU	
172.365	

ITP01	
3.0'	
BE/DU	
1578.057 a	



0 25 50
FEET



DAMES & MOORE

LANDFILL 4 CONCENTRATIONS OF MANGANESE IN SOIL

PSF26369

Date: January 1997

Figure 9.3-12

1

EXPLANATION



SOIL BORING



SURFACE SOIL COMPOSITE



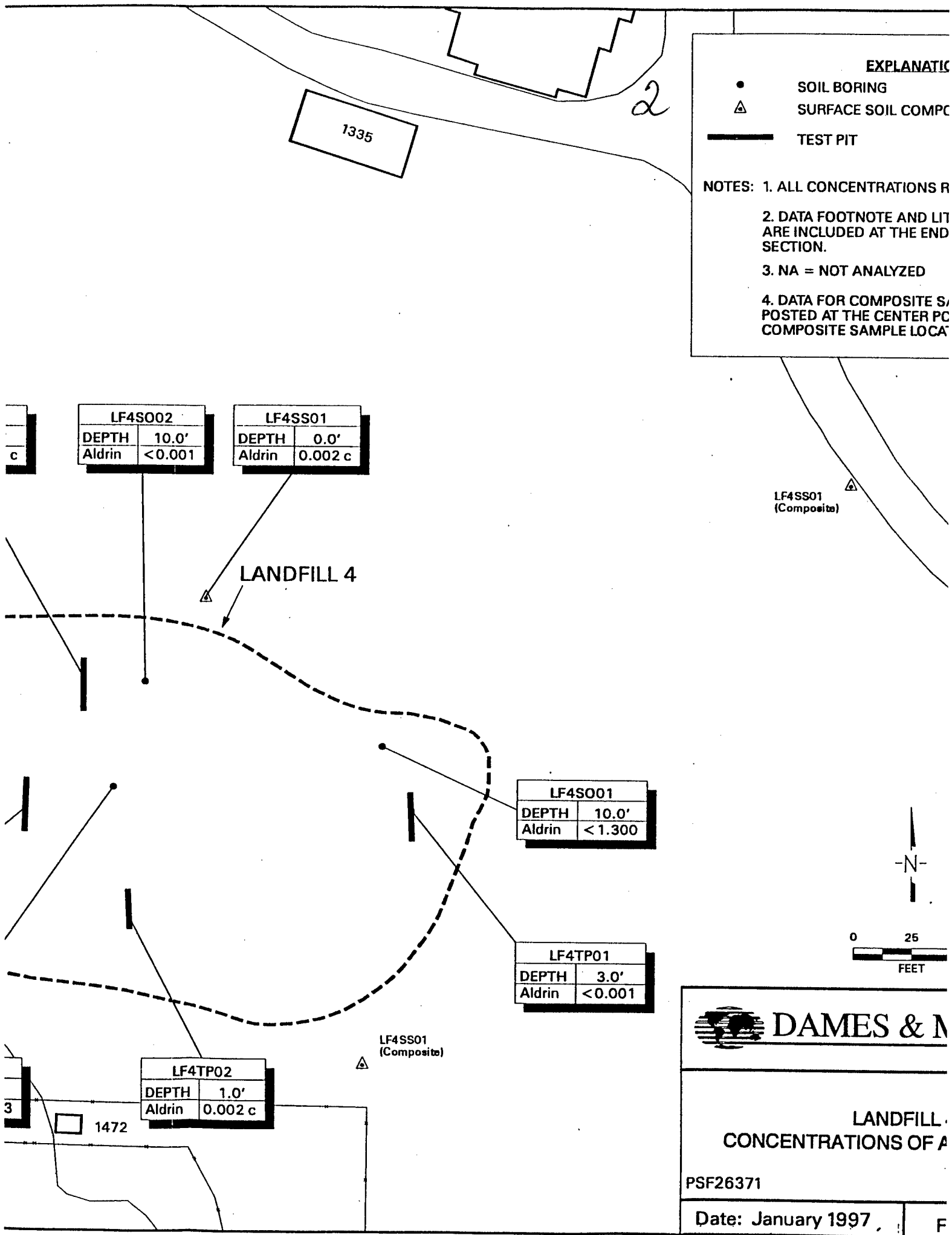
TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED IN mg/kg

2. DATA FOOTNOTE AND LIMITS ARE INCLUDED AT THE END OF SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF COMPOSITE SAMPLE LOCATION



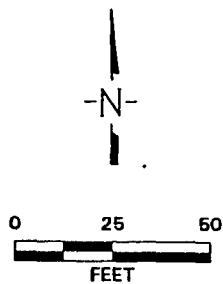
3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF ALDRIN IN SOIL

PSF26371

Date: January 1997

Figure 9.3-13

△
LF4SS01
(Composite)

LF4TP04	
DEPTH	3.0'
Chlordane	5.466

LF4S002	
DEPTH	10.0'
Chlordane	<0.068

LF4S003	
DEPTH	10.0'
Chlordane	<0.068

△ LF4SS01
(Composite)

LF4TP05	
DEPTH	3.0'
Chlordane	0.574 c

CENTRAL MAGAZINE ROAD

LF4TP03	
DEPTH	10.0'
Chlordane	<0.068

LF4SB03		
DEPTH	5.0'	13.0'
Chlordane	<0.300	<0.030

1472

1335

- EXPL**
- SOIL BORING
 - △ SURFACE SOIL
 - TEST PIT

- NOTES:**
1. ALL CONCENTRATIONS
 2. DATA FOOTNOTE A ARE INCLUDED AT THIS SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF THE COMPOSITE SAMPLE

LF4S002	
DEPTH	10.0'
Chlordane	<0.068

LF4SS01	
DEPTH	0.0'
Chlordane	0.120 c

LANDFILL 4

LF4SS01
(Composite)

LF4S001	
DEPTH	10.0'
Chlordane	<0.068

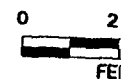
LF4TP01	
DEPTH	3.0'
Chlordane	0.230 c

LF4SS01
(Composite)

1472

LF4TP02	
DEPTH	1.0'
Chlordane	<0.068

ISB03	
5.0'	13.0'
0.300	<0.030



**LANDFILL
CONCENTRATIONS OF**

PSF26372

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

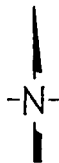
3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

1
10.0'
0.068

1
3.0'
230 c



0 25 50
FEET



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF CHLORDANE IN SOIL

PSF26372

Date: January 1997

Figure 9.3-14

3



LF4SS01
(Composite)

LF4TP04	
DEPTH	3.0'
Dieldrin	0.065 c

LF4SO02	
DEPTH	10.0'
Dieldrin	<0.002

LF4SO03	
DEPTH	10.0'
Dieldrin	<0.002

△ LF4SS01
(Composite)

LF4TP05	
DEPTH	3.0'
Dieldrin	0.017 c

LF4TP03	
DEPTH	10.0'
Dieldrin	<0.002

LF4SB03		
DEPTH	5.0'	13.0'
Dieldrin	<0.060	<0.008

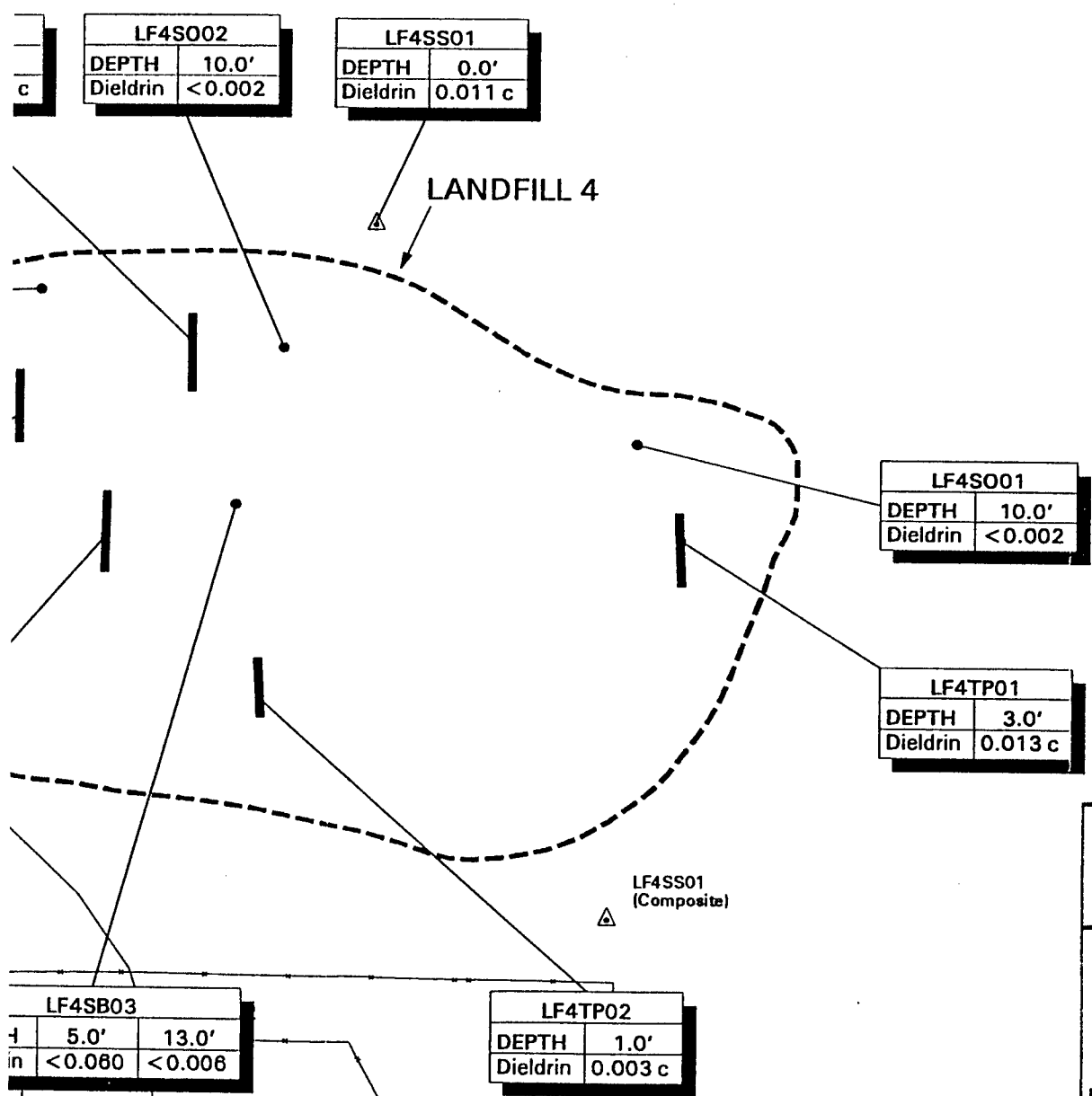
CENTRAL MAGAZINE ROAD

1335

2

- EXPL
- SOIL BORING
 - △ SURFACE SOIL
 - TEST PIT

- NOTES: 1. ALL CONCENTRATIONS ARE IN mg/kg
 2. DATA FOOTNOTE A ARE INCLUDED AT THE END OF EACH SECTION.
 3. NA = NOT ANALYZED
 4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF THE COMPOSITE SAMPLE



LAND CONCENTRATIONS

PSF26374

Date: January 1997

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

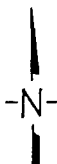
3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

001
10.0'
<0.002

P01
3.0'
0.013 c



0 25 50
FEET



DAMES & MOORE

LANDFILL 4 CONCENTRATIONS OF DIELDRIN IN SOIL

PSF26374

Date: January 1997

Figure 9.3-15

1

1335

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE
- TEST PIT

- NOTES: 1. ALL CONCENTRATIONS REPORTED IN PPM UNLESS OTHERWISE NOTED.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATION.

LF4SO02	
DEPTH	10.0'
Heptachlor	<0.002

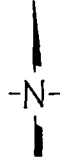
LF4SS01	
DEPTH	0.0'
Heptachlor	0.006 c

LANDFILL 4

LF4SS01
(Composite)

LF4SO01	
DEPTH	10.0'
Heptachlor	<0.002

LF4TP01	
DEPTH	3.0'
Heptachlor	0.004 c



LF4SS01
(Composite)

0.0'
003

1472

LF4TP02	
DEPTH	1.0'
Heptachlor	<0.002



DAMES & MOHR

**LANDFILL
CONCENTRATIONS OF HEP**

PSF26375

Date: January 1997

3

EXPLANATION

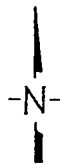
- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

LF4SO01	
DEPTH	10.0'
Heptachlor	<0.002

LF4TP01	
DEPTH	3.0'
Heptachlor	0.004 c



DAMES & MOORE

LANDFILL 4 CONCENTRATIONS OF HEPTACHLOR IN SOIL

PSF26375

Date: January 1997

Figure 9.3-16



LF4SS01
(Composite)

LF4TP04	
DEPTH	3.0'
Heptachlor epoxide	0.025 c

LF4S002	
DEPTH	10.0'
Heptachlor epoxide	<0.001

DEP'
Hept

LF4S003	
DEPTH	10.0'
Heptachlor epoxide	<0.001

△ LF4SS01
(Composite)

LF4TP05	
DEPTH	3.0'
Heptachlor epoxide	0.007 c

LF4TP03	
DEPTH	10.0'
Heptachlor epoxide	<0.001

LF4SB03		
DEPTH	5.0'	13.0'
Heptachlor epoxide	<0.030	<0.003

1472

CENTRAL MAGAZINE ROAD

\\7_v3.aml, plotfile base_LF4_S_41.gra, PSF

16 Sep 96 15:07:49 Monday

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOS
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END O SECTION.
3. NA = NOT ANALYZED
4. DATA FOR COMPOSITE SAN POSTED AT THE CENTER POIN COMPOSITE SAMPLE LOCATI

ISO02	
DEPTH	10.0'
Heptachlor epoxide	<0.001

LF4SS01	
DEPTH	0.0'
Heptachlor epoxide	0.003 c

LANDFILL 4

LF4SO01	
DEPTH	10.0'
Heptachlor epoxide	<0.001

LF4TP01	
DEPTH	3.0'
Heptachlor epoxide	0.004 c

LF4TP02	
DEPTH	1.0'
Heptachlor epoxide	0.002



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF HEPTACHL

PSF26373

Date: January 1997

Fi

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

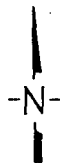
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

4. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

LF4SS01
(Composite)

LF4SO01	
	10.0'
repxide	<0.001



3.0'	
0.004 c	



DAMES & MOORE

LANDFILL 4
CONCENTRATIONS OF HEPTACHLOR-EPOXIDE IN SOIL

PSF26373

Date: January 1997

Figure 9.3-17

11x17_x3and.plotted.htm_PSS_S_1.gm_PSF

04 Sep 96 17:11:00 Wednes

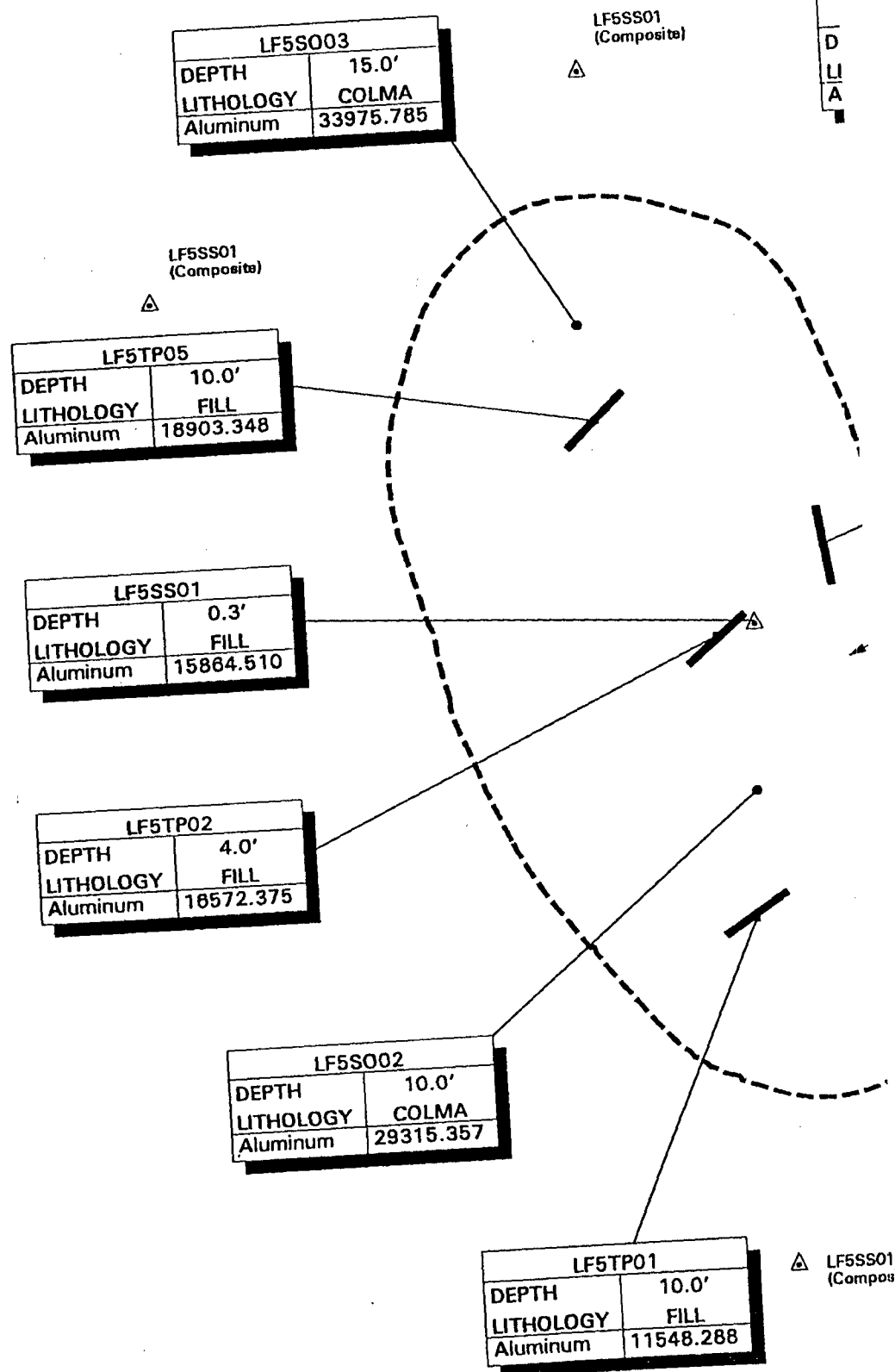


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

- SOIL BORING
- △ SURFACE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTES ARE INCLUDED AT THE END OF EACH SECTION.
3. DATA FOR COMPOSITE SAMPLES POSTED AT THE COMPOSITE SAMPLING LOCATION

LF5SS01
(Composite)

LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Aluminum	21004.623

1349

WASHINGTON BLVD

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Aluminum	38459.863

ARTIFICIAL FILL

BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Aluminum	3500 a	2530 a

FILL SITE 5
BOUNDARY

LF5SS01
(Composite)

LF5S001	
DEPTH	10.0'
LITHOLOGY	COLMA
Aluminum	17843.244

LF5TP01	
DEPTH	10.0'
LITHOLOGY	FILL
Aluminum	11548.288

△ LF5SS01
(Composite)



F
CONCENTRATION

PSF26376

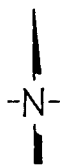
Date: January 199

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



0 25 50
FEET



DAMES & MOORE

**FILL SITE 5
CONCENTRATIONS OF ALUMINUM IN SOIL**

PSF26376

Date: January 1997

Figure 9.3-18

11x17_v3.amd, profile base_FSS_S_7.gra, PSF

04 Sep 96 16:37:51 Wednesday

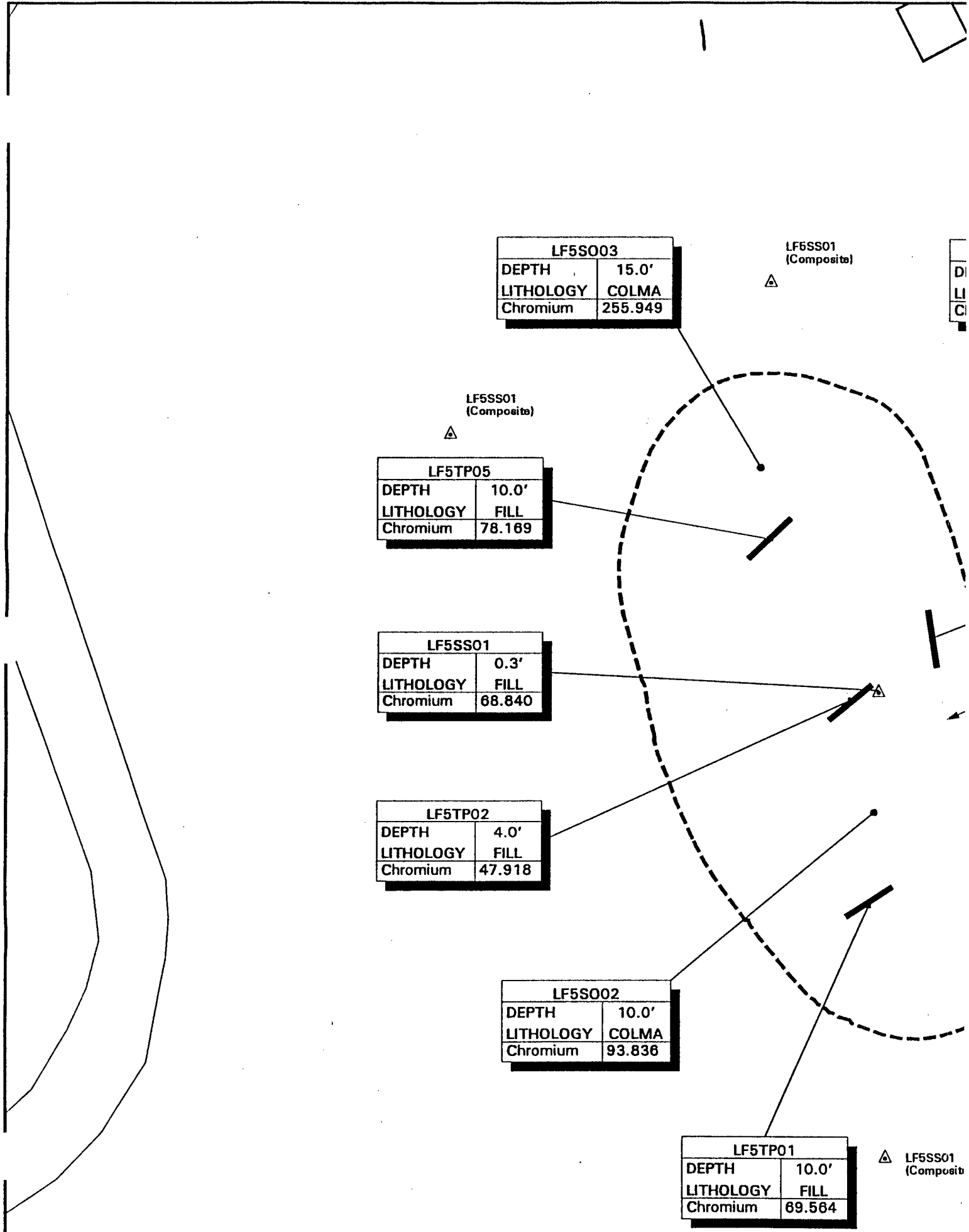


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSIT
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.
3. DATA FOR COMPOSITE SAMI POSTED AT THE CENTER POINT COMPOSITE SAMPLE LOCATIO

5SS01
(Composite)

LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Chromium	82.292

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Chromium	32.835

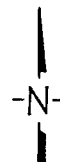
BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Chromium	872 am	910 a

LF5S001	
DEPTH	10.0'
LITHOLOGY	COLMA
Chromium	121.681

ARTIFICIAL FILL

FILL SITE 5
BOUNDARY

LF5SS01
(Composite)



DAMES & MOORE

FILL SITE 5
CONCENTRATIONS OF CHRC

PSF26377

Date: January 1997

Figure

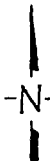
0.0'	△ LF5SS01 (Composite)
FILL	
1.584	

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

**FILL SITE 5
CONCENTRATIONS OF CHROMIUM IN SOIL**

PSF26377

Date: January 1997

Figure 9.3-19

**LF5SS01
(Composite)**

LF5SS01
(Composite)



 **LF5SS01**
(Composi)

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS F
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.
3. DATA FOR COMPOSITE S
POSTED AT THE CENTER PC
COMPOSITE SAMPLE LOCA

LF5SS01
(Composite)

LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Iron	34908.105

1349

WASHINGTON BLVD

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Iron	125343.242 a

ARTIFICIAL FILL

BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Iron	73100 a	58300 a

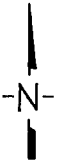
FILL SITE 5
BOUNDARY

LF5SS01
(Composite)

LF5S001	
DEPTH	10.0'
LITHOLOGY	COLMA
Iron	35069.703

△ LF5SS01
(Composite)

1
10.0'
FILL
1083.592



0 25
FEET



DAMES & MOORE

FILL SITE
CONCENTRATIONS OF

PSF26378

Date: January 1997

EXPLANATION

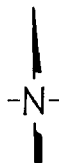
- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

a

0.5'
 IERP
 300 a

.F5SS01
 Composite)



DAMES & MOORE

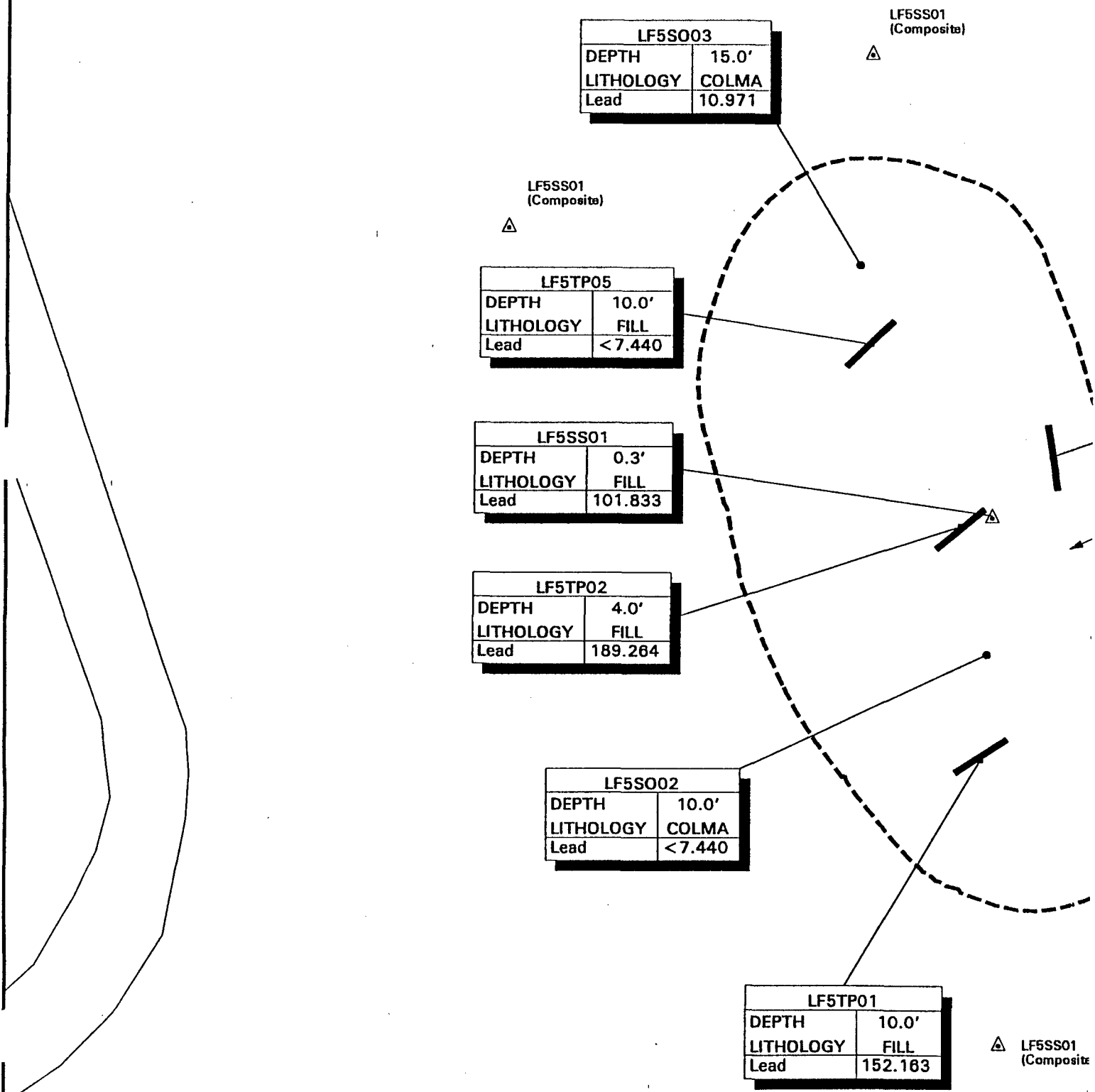
**FILL SITE 5
 CONCENTRATIONS OF IRON IN SOIL**

PSF26378

Date: January 1997

Figure 9.3-20

11x17_03.dwg, Profile Name: PSS_S_12.gps, PSF
04 Sep 96 16:40:38 Wednesday



2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMP
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND L
ARE INCLUDED AT THE EN
SECTION.
3. DATA FOR COMPOSITE
POSTED AT THE CENTER I
COMPOSITE SAMPLE LOC

1349

LF5SS01
(Composite)

LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Lead	<7.440

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Lead	12.301

ARTIFICIAL FILL

BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Lead	<50.0 ap	4.01 n
Lead-XRF	<25	<25

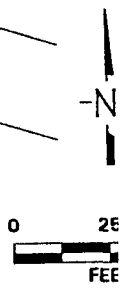
**FILL SITE 5
BOUNDARY**

LF5S001	
DEPTH	10.0'
LITHOLOGY	COLMA
Lead	<7.440

LF5SS01
(Composite)

TP01	
Y	10.0'
	FILL
	152.183

△ LF5SS01
(Composite)



DAMES &

**FILL SI
CONCENTRATIONS**

PSF26380

Date: January 1997

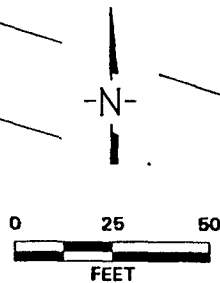
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

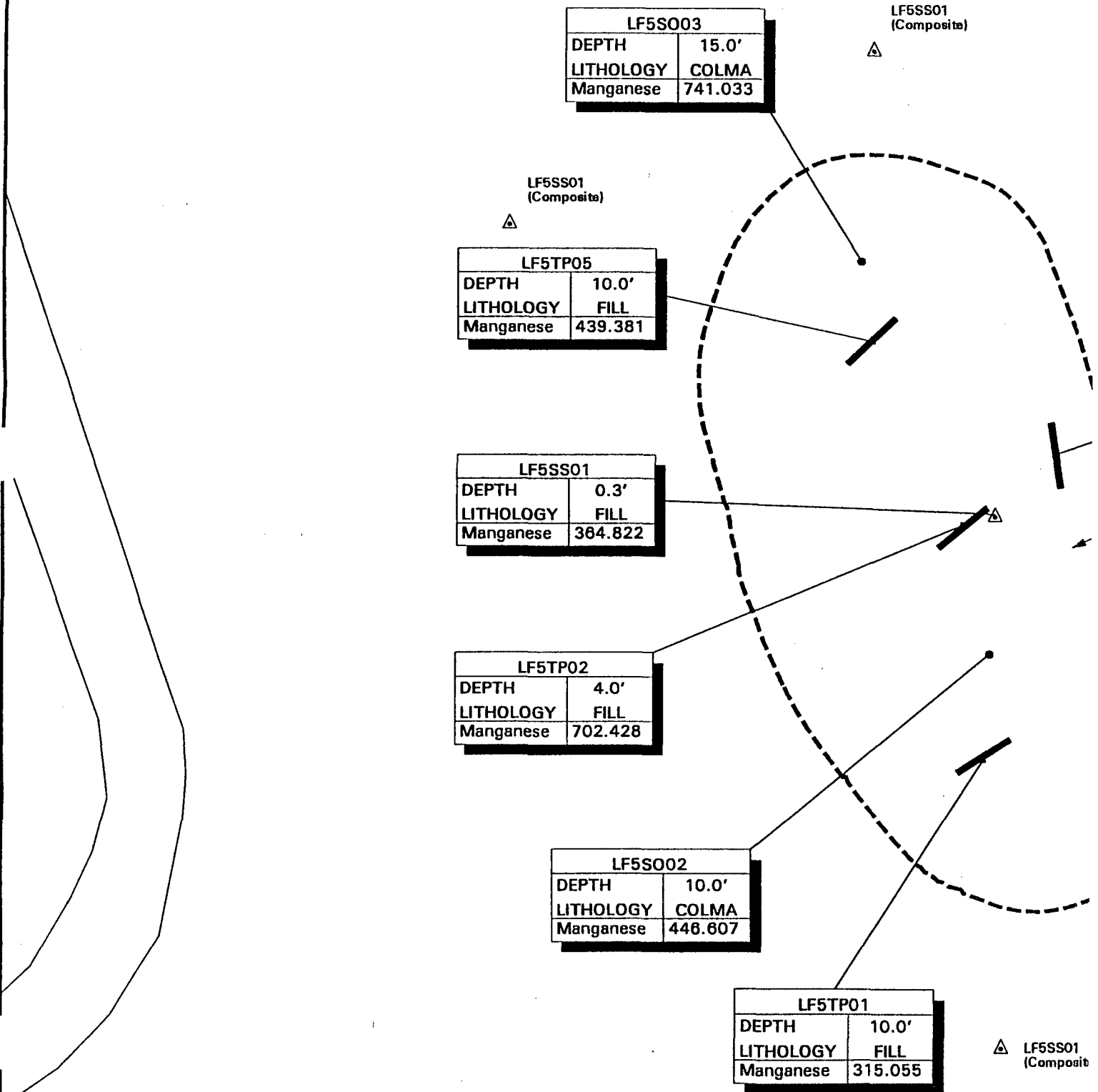
**DAMES & MOORE**

**FILL SITE 5
CONCENTRATIONS OF LEAD IN SOIL**

PSF26380

Date: January 1997

Figure 9.3-21



2

EXPLANATION

● SOIL BORING
△ SURFACE SOIL COMPOSITE
— TEST PIT

NOTE:

- 1. ALL CONCENTRATIONS ARE IN PPM.
- 2. DATA FOOTNOTED WITH AN "A" ARE INCLUDED AT THE END OF THE SECTION.
- 3. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF THE COMPOSITE SAMPLE.

LF5SS01
(Composite)



LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Manganese	562.429

1349



WASHINGTON BLVD

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Manganese	1681.199 a

ARTIFICIAL FILL

BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Manganese	2090 a	825 a

FILL SITE 5
BOUNDARY

LF5SS01
(Composite)



LF5SO01	
DEPTH	10.0'
LITHOLOGY	COLMA
Manganese	402.846

△ LF5SS01
(Composite)

LF5TP01	
DEPTH	10.0'
LITHOLOGY	FILL
Manganese	315.055



DAMES

**FILL
CONCENTRATIONS**

PSF26379

Date: January 1997

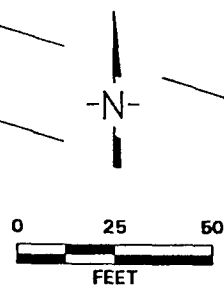
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

**DAMES & MOORE**

FILL SITE 5
CONCENTRATIONS OF MANGANESE IN SOIL

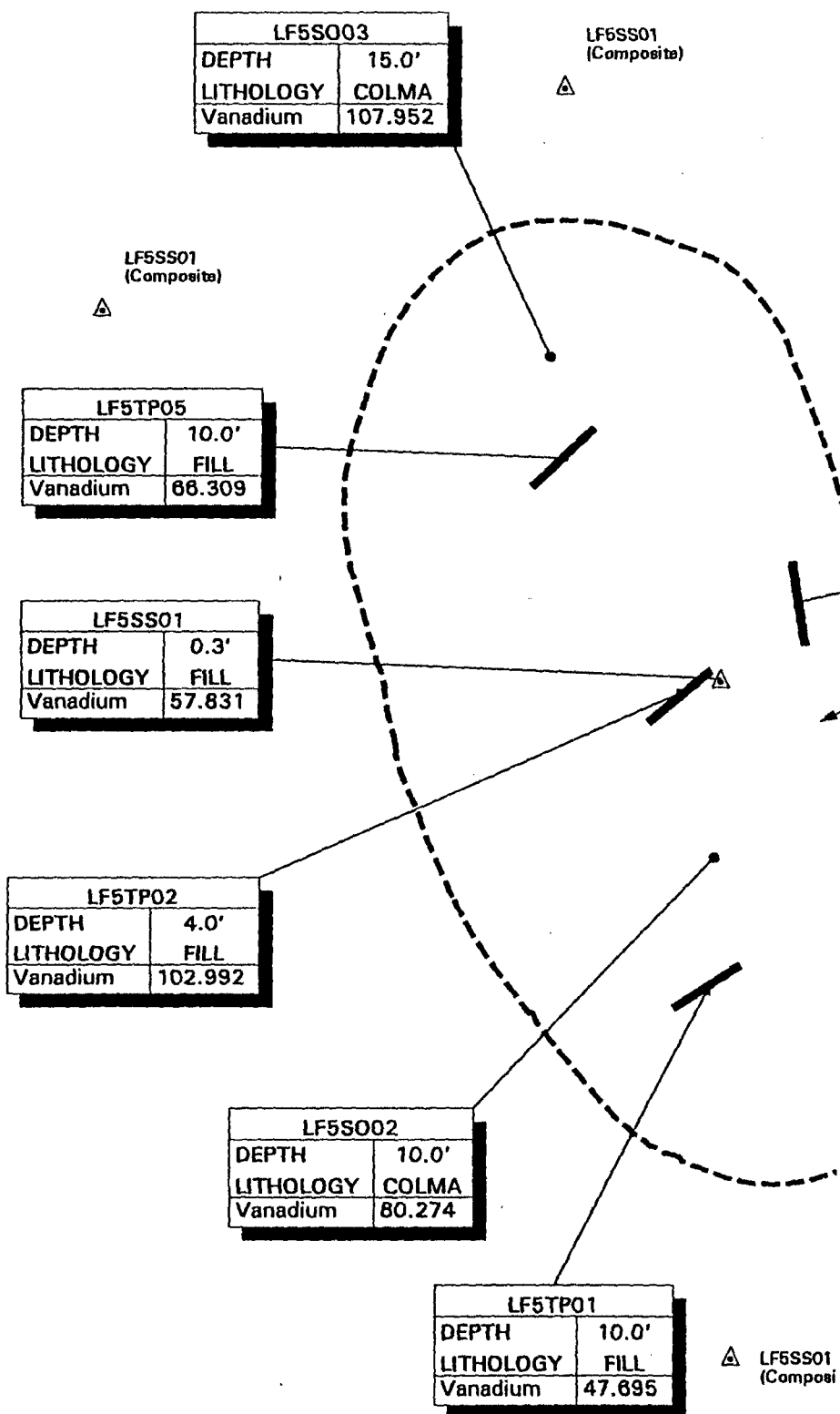
PSF26379

Date: January 1997

Figure 9.3-22

11x17_v3.arid_p1.maffle base_PSS_S_20.gns_PSF

14 Sep 96 16:45:36 Wednesday



2

EXPLAN

- SOIL BORING
- △ SURFACE SOIL CO
- TEST PIT

NOTE: 1. ALL CONCENTRATION
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE
SECTION.
3. DATA FOR COMPOSITE
POSTED AT THE CENTE
COMPOSITE SAMPLE LI

LF5SS01
(Composite)

LF5TP03	
DEPTH	4.0'
LITHOLOGY	FILL
Vanadium	67.805

1349

WASHINGTON BLVD

LF5TP04	
DEPTH	1.5'
LITHOLOGY	FILL
Vanadium	300.021

ARTIFICIAL FILL

BKGDSB15		
DEPTH	14.5'	20.5'
LITHOLOGY	SERP	SERP
Vanadium	40.2 an	34.2 an

FILL SITE 5
BOUNDARY

LF5SS01
(Composite)

LF5SO01	
DEPTH	10.0'
LITHOLOGY	COLMA
Vanadium	85.324

F5TP01	
OGY	10.0'
im	FILL
	47.695

△ LF5SS01
(Composite)

0 2
FE

 DAMES & MOHR

FILL SITE
CONCENTRATIONS OF

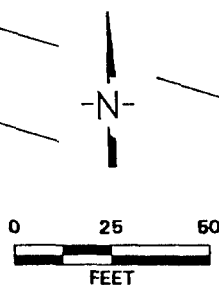
PSF26381

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE
POSTED AT THE CENTER POINT OF THE
COMPOSITE SAMPLE LOCATIONS.

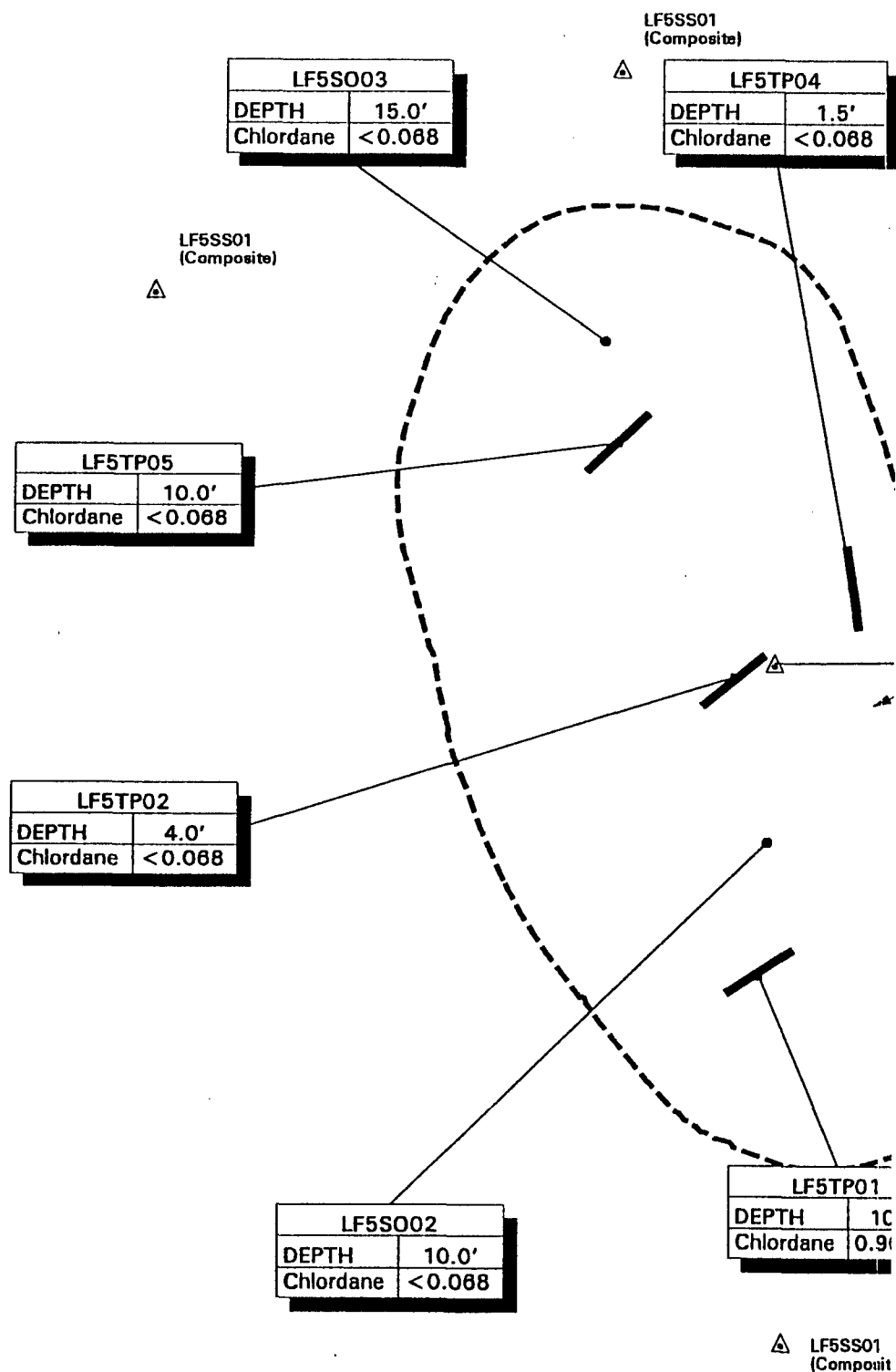
**DAMES & MOORE**

**FILL SITE 5
CONCENTRATIONS OF VANADIUM IN SOIL**

PSF26381

Date: January 1997

Figure 9.3-23



2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL C
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER GRAM (PPM).
2. DATA FOOTNOTED AT THE END OF THE REPORT ARE INCLUDED AT THE END OF THE REPORT.
3. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTER OF THE COMPOSITE SAMPLE

LF5SS01
(Composite)



LF5TP04	
DEPTH	1.5'
Chlordane	<0.068

LF5TP03	
DEPTH	4.0'
Chlordane	<0.068

WASHINGTON BLVD

ARTIFICIAL FILL

LF5SS01	
DEPTH	0.3'
Chlordane	<0.068

FILL SITE 5 BOUNDARY

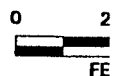
LF5SS01
(Composite)



LF5TP01	
DEPTH	10.0'
Chlordane	0.900 c

LF5S001	
DEPTH	10.0'
Chlordane	<0.068

△ LF5SS01
(Composite)



FILL SITE 5
CONCENTRATIONS OF CHLORDANE

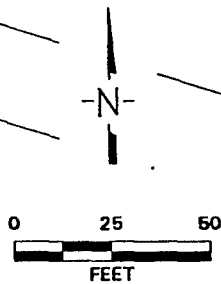
PSF26500

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



DAMES & MOORE

**FILL SITE 5
CONCENTRATIONS OF CHLORDANE IN SOIL**

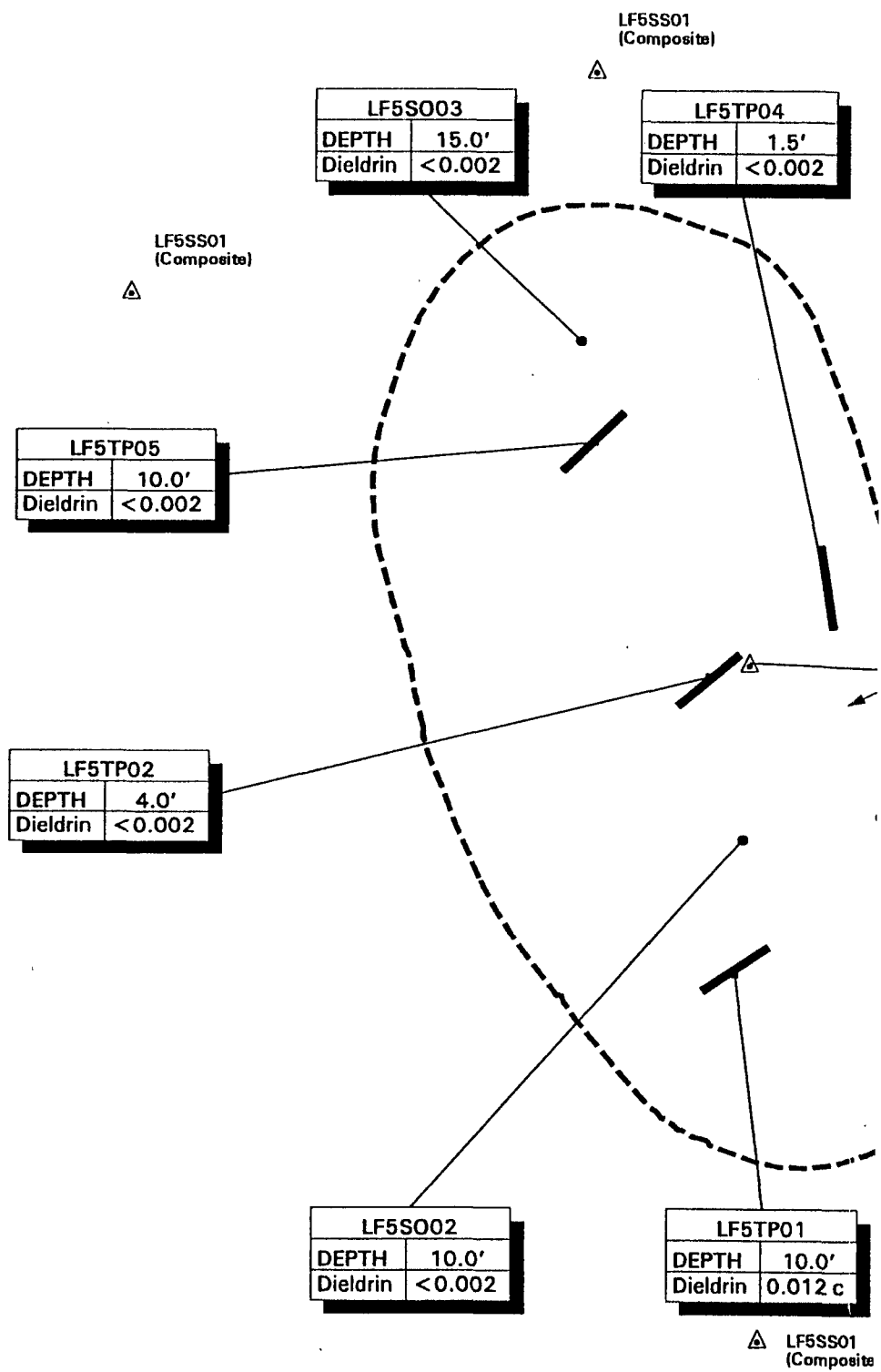
PSF26500

Date: January 1997

Figure 9.3-24

11x17, v3, unit, profile view, P55_S_3R.gra, PSF

04 Sep 96 16:29:42 Wed



2

EXPLAN

- SOIL BORING
- △ SURFACE SOIL CC
- TEST PIT

NOTE:

1. ALL CONCENTRATIONS ARE IN PERCENT UNLESS OTHERWISE NOTED.
2. DATA FOOTNOTES ARE INCLUDED AT THE END OF THE SECTION.
3. DATA FOR COMPOSITE SAMPLES POSTED AT THE CENTRAL LOCATION ARE FOR THE COMPOSITE SAMPLE.

LF5SS01
(Composite)

1349

LF5TP04	
DEPTH	1.5'
Dieldrin	<0.002

LF5TP03	
DEPTH	4.0'
Dieldrin	<0.002

WASHINGTON BLVD

ARTIFICIAL FILL

LF5SS01	
DEPTH	0.3'
Dieldrin	0.004 c

FILL SITE 5
BOUNDARY

LF5SS01
(Composite)

LF5TP01	
DEPTH	10.0'
Dieldrin	0.012 c

△ LF5SS01
(Composite)

LF5S001	
DEPTH	10.0'
Dieldrin	<0.002



DAMES

**FILL
CONCENTRATIONS**

PSF26501

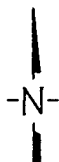
Date: January 1997

3

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.



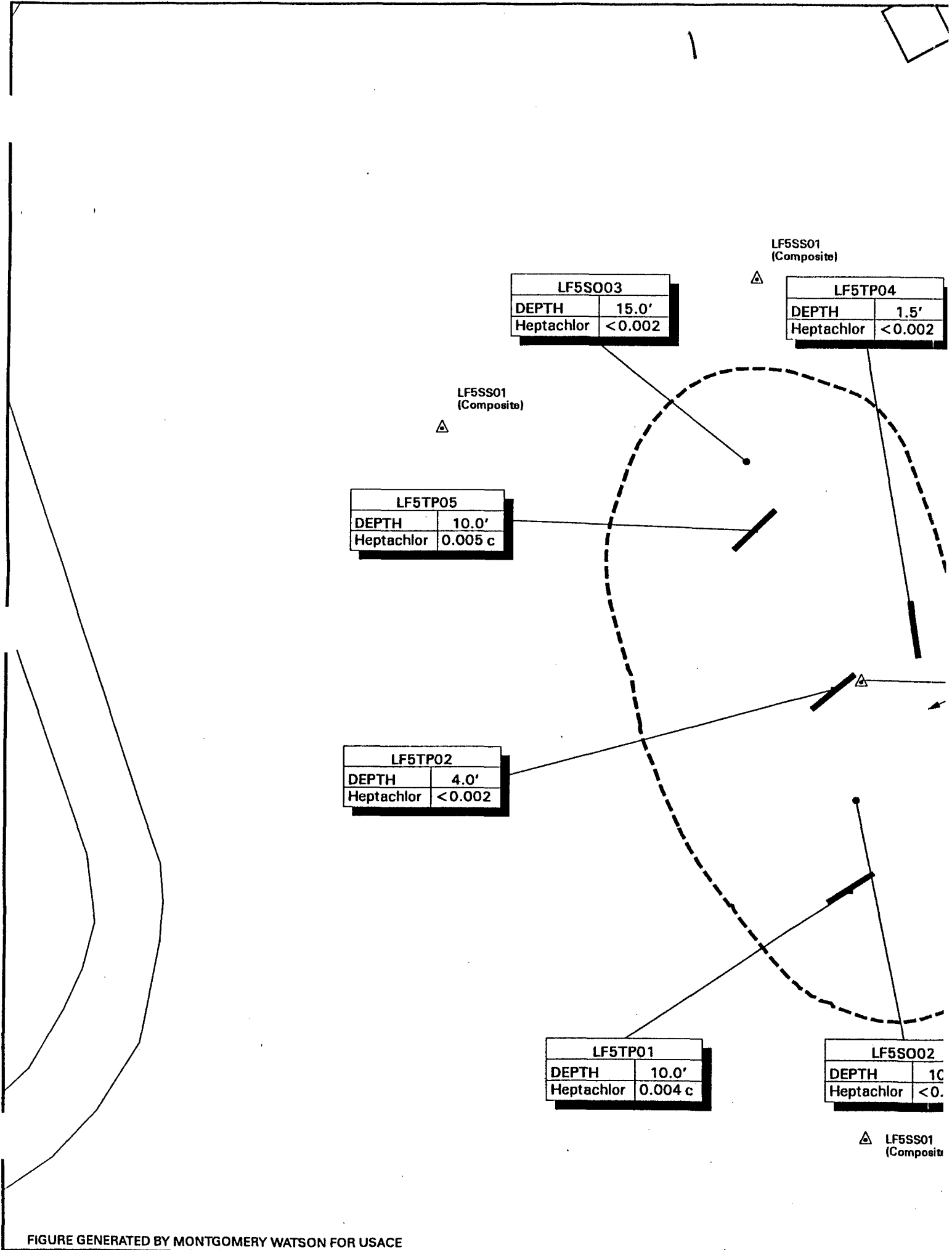
DAMES & MOORE

**FILL SITE 5
CONCENTRATIONS OF DIELDRIN IN SOIL**

PSF26501

Date: January 1997

Figure 9.3-25



2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPOF
2. DATA FOOTNOTE AND LITHOLI
ARE INCLUDED AT THE END OF T
SECTION.
3. DATA FOR COMPOSITE SAMPL
POSTED AT THE CENTER POINT (C
COMPOSITE SAMPLE LOCATION!

S01
(posite)

LF5TP04	
DEPTH	1.5'
Heptachlor	<0.002

LF5TP03	
DEPTH	4.0'
Heptachlor	<0.002

WASHINGTON BLVD

ARTIFICIAL FILL

LF5SS01	
DEPTH	0.3'
Heptachlor	0.002 c

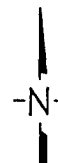
FILL SITE 5
BOUNDARY

LF5SS01
(Composite)

LF5S002	
DEPTH	10.0'
Heptachlor	<0.002

LF5S001	
DEPTH	10.0'
Heptachlor	<0.002

△ LF5SS01
(Composite)



0 25 50
FEET



DAMES & MC

FILL SITE 5
CONCENTRATIONS OF HEPTACH

PSF26502

Date: January 1997

Figur

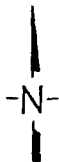
EXPLANATION

- SOIL BORING
- △ SURFACE SOIL COMPOSITE SAMPLE
- TEST PIT

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. DATA FOR COMPOSITE SAMPLES ARE POSTED AT THE CENTER POINT OF THE COMPOSITE SAMPLE LOCATIONS.

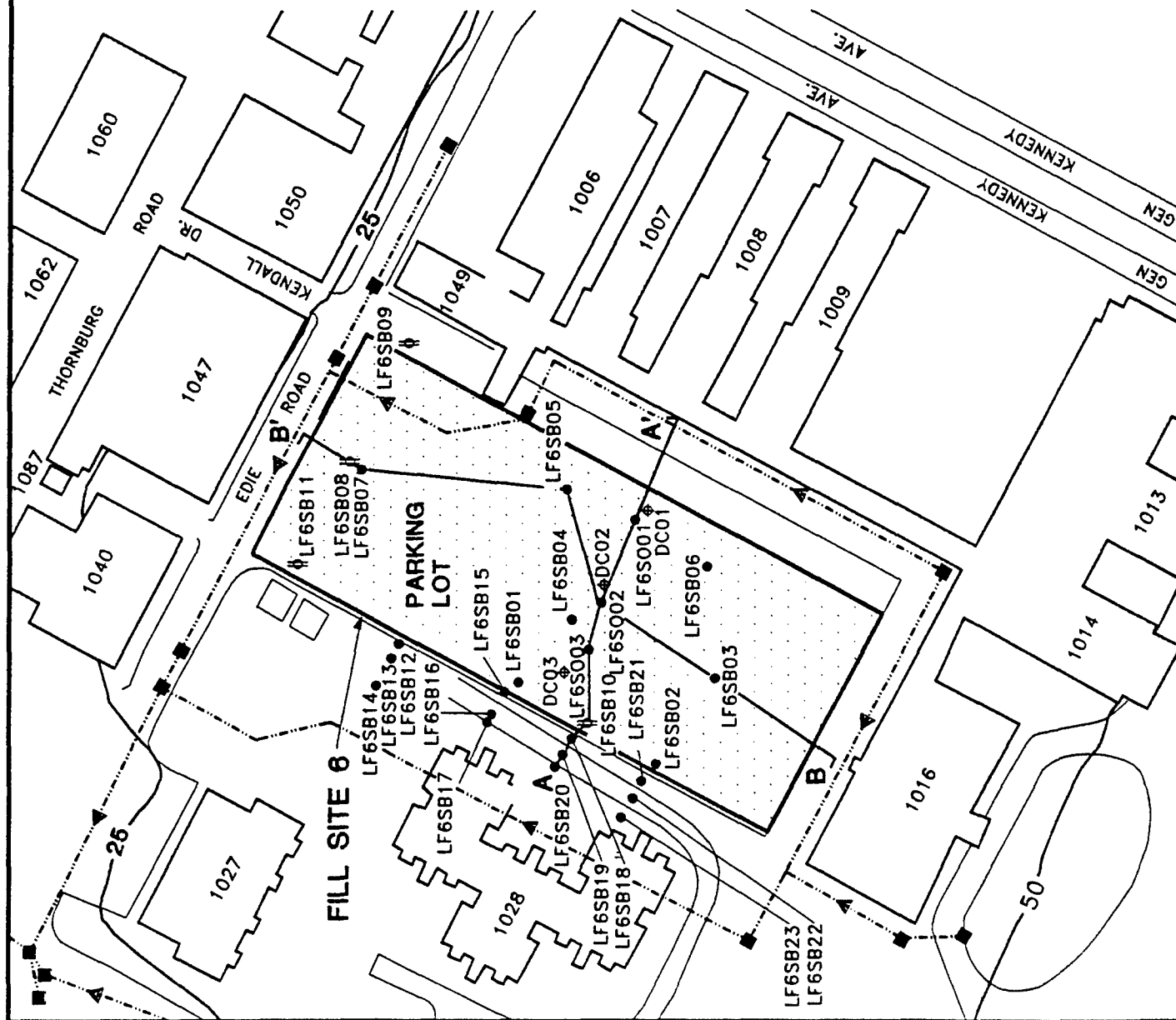
**DAMES & MOORE**

**FILL SITE 5
CONCENTRATIONS OF HEPTACHLOR IN SOIL**

PSF26502

Date: January 1997

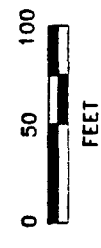
Figure 9.3-26



EXPLANATION

- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊕ RESISTIVITY MEASUREMENT
- A — A' CROSS SECTION LOCATION
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- ▲— STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- 50— TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET
ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



DAMES & MOORE

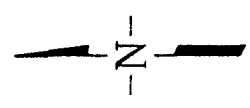
FILL SITE 6

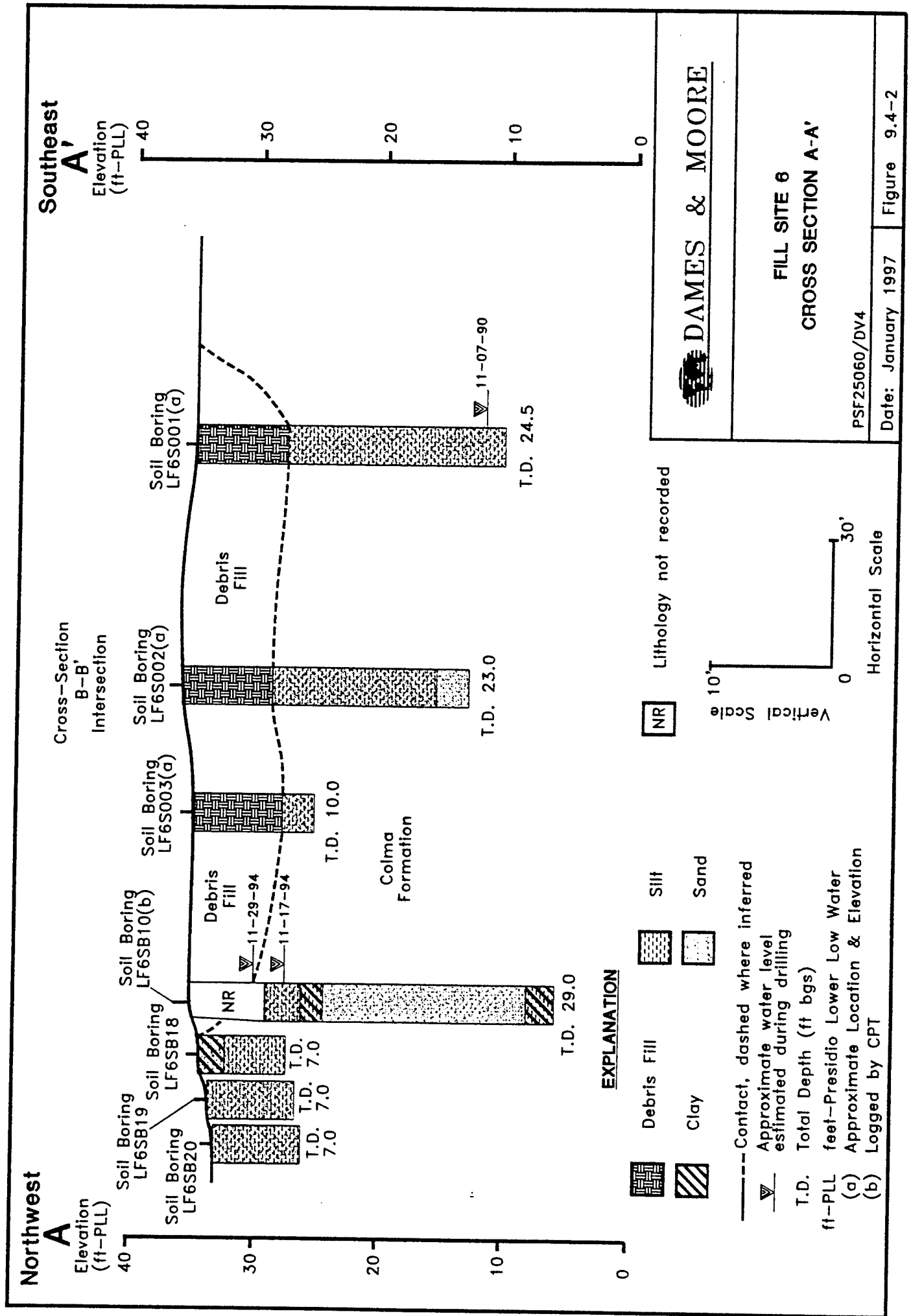
SAMPLE & CROSS SECTION LOCATIONS

PSF25002/DV1

Date: January 1997

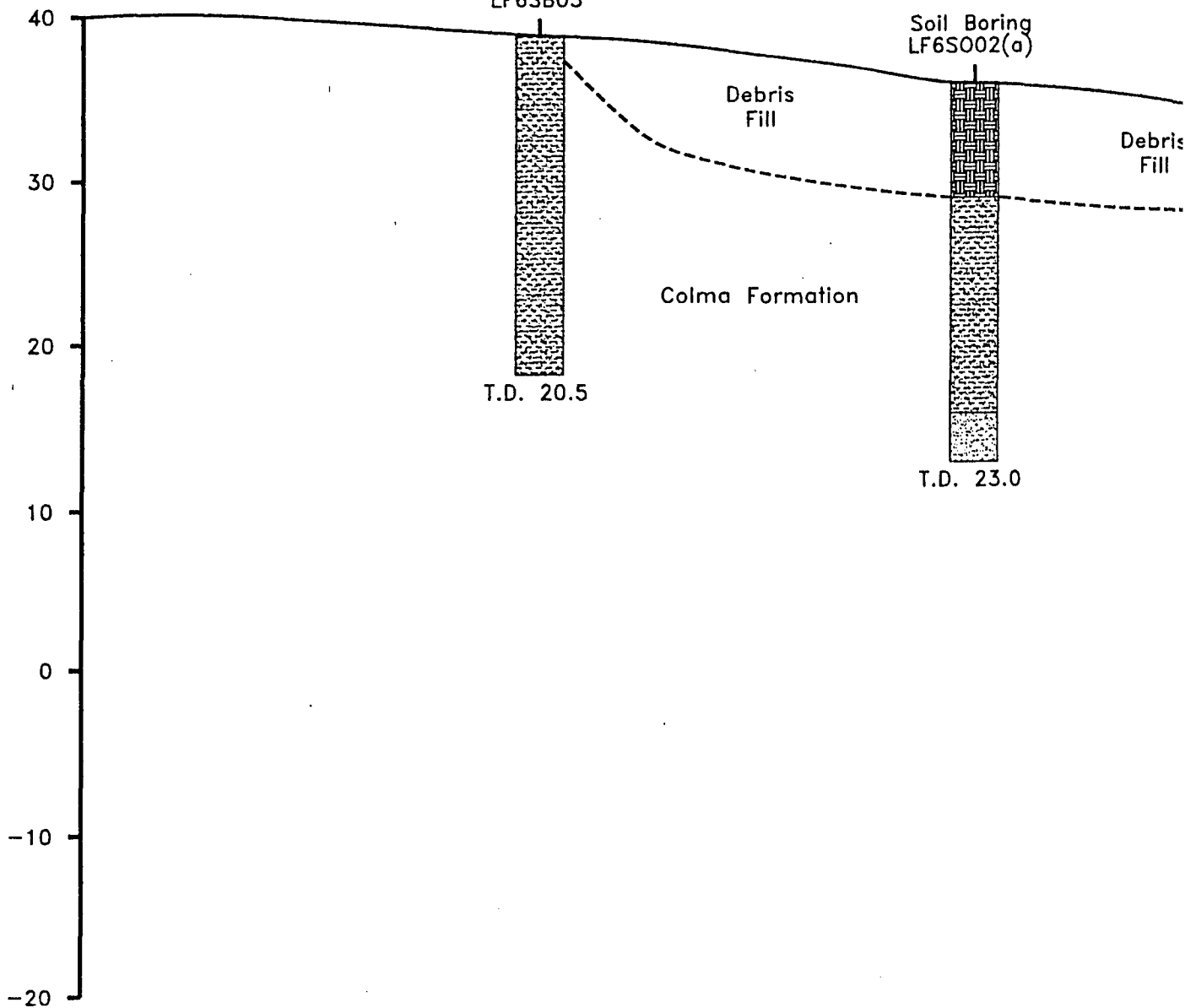
Figure 9.4-1









Southwest B



Elevation
(ft-PLL)



Cross-Section
A-A'
Intersection

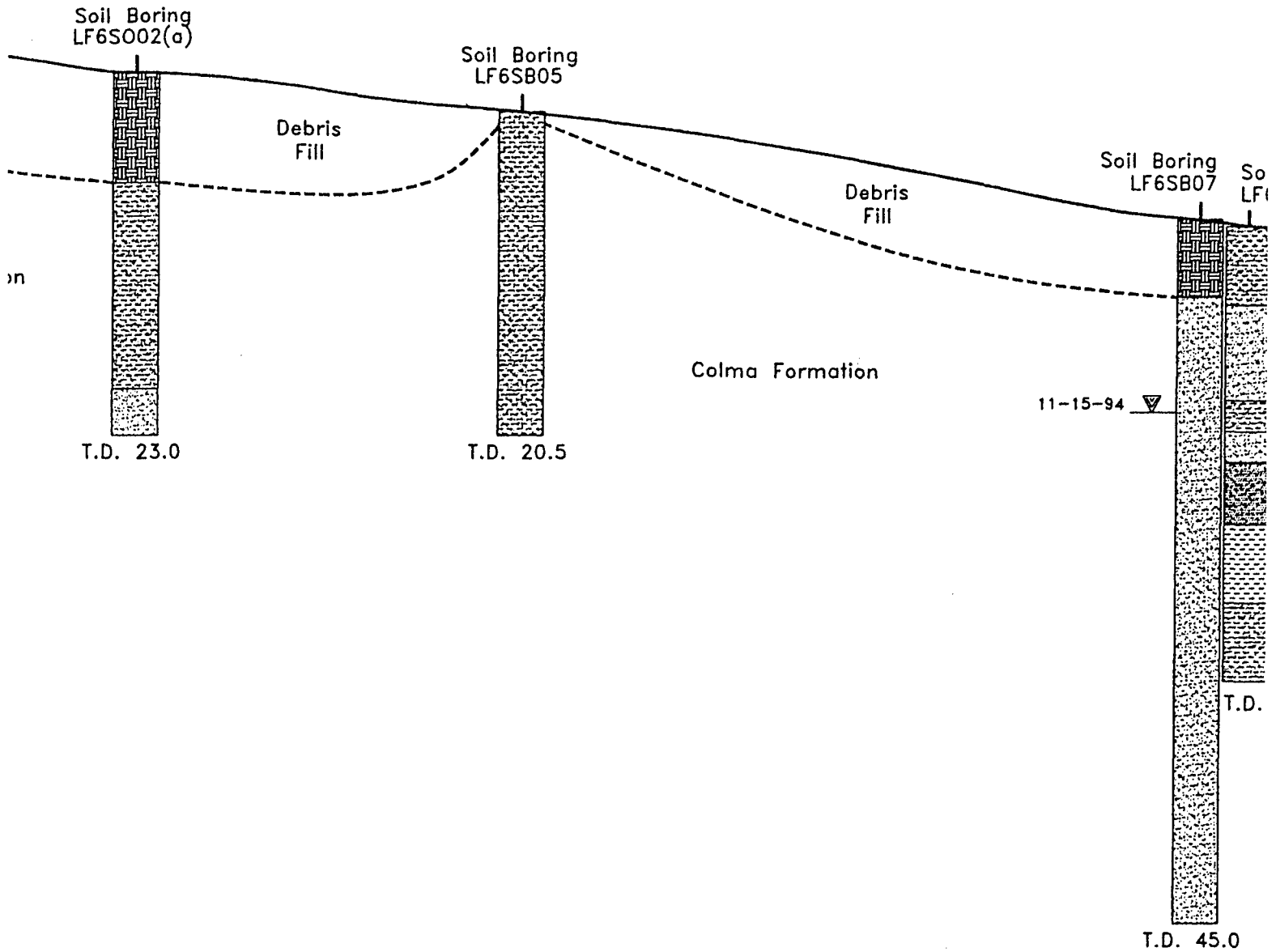
EXPLANATION

-  Debris Fill
-  Silt
-  Sand
-  Gravel

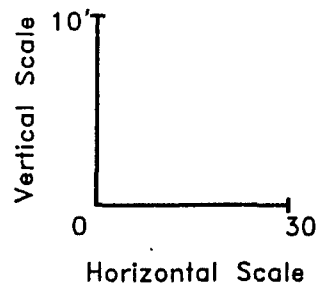
-  Contact, dashed where inferred
-  Approximate water level estimated during drilling
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- (a) Approximate Location & Elevation
- (b) LF6SB08 logged by CPT

2

Cross-Section
A-A'
Intersection



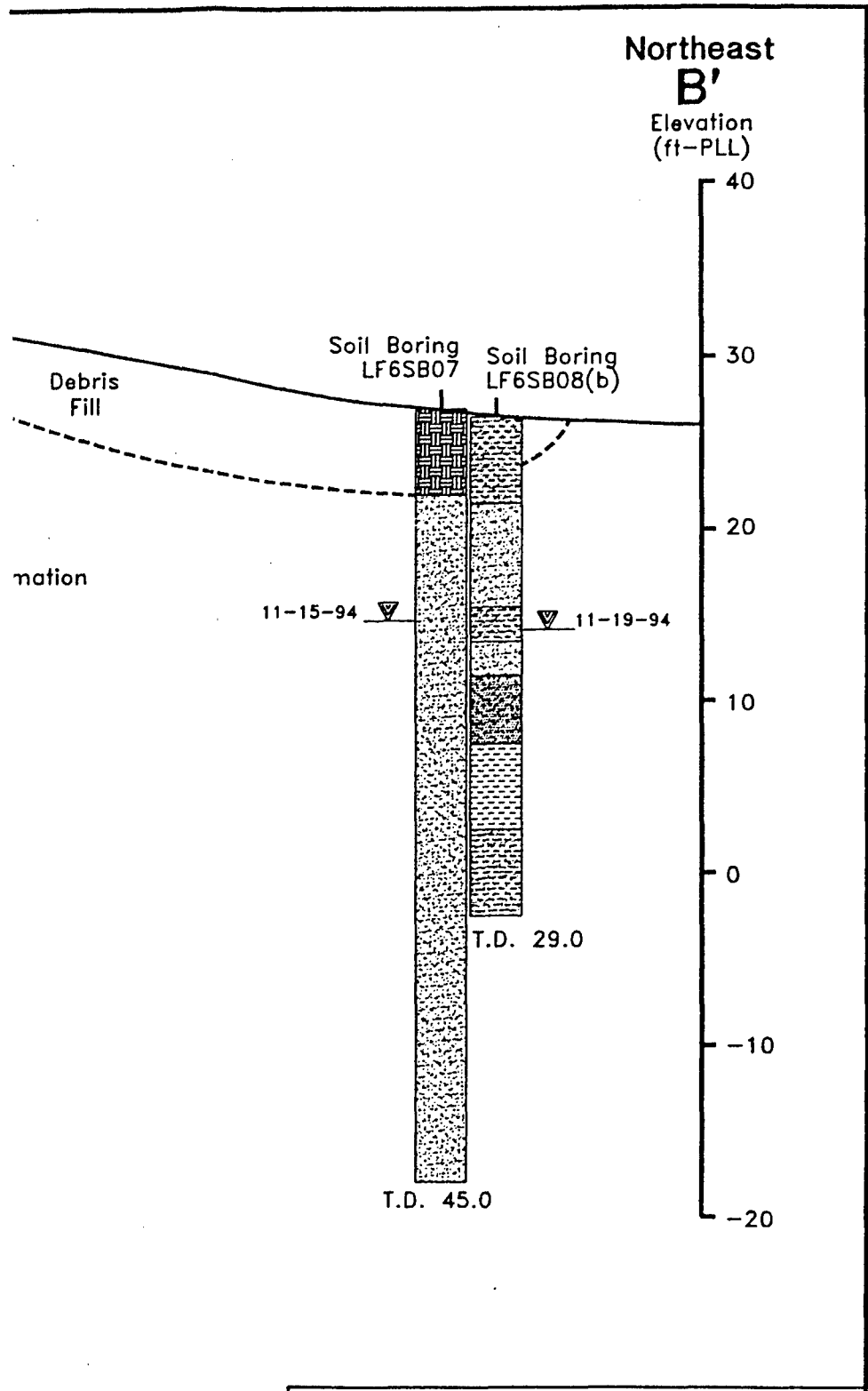
t, dashed where inferred
 :imate water level
 ted during drilling
 Depth (ft bgs)
 'residio Lower Low Water
 :imate Location & Elevation
)B logged by CPT




F
CROSS

PSF25061/DV1

Date: January 199



 **DAMES & MOORE**

**FILL SITE 6
CROSS SECTION B-B'**

PSF25061/DV1

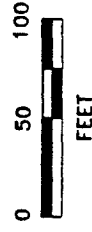
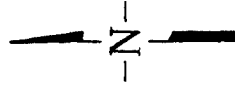
Date: January 1997.

Figure 9.4-3

30'
al Scale

EXPLANATION

- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- ⊕ RESISTIVITY MEASUREMENT
- (7.0) DEBRIS FILL THICKNESS
- 5— DEBRIS FILL THICKNESS CONTOUR
- * LITHOLOGY LOGGED BY CPT; NO VISUAL INSPECTION FOR FILL MATERIAL BELOW 1-2 ft. bgs.
- (NL) NOT LOGGED



DAMES & MOORE

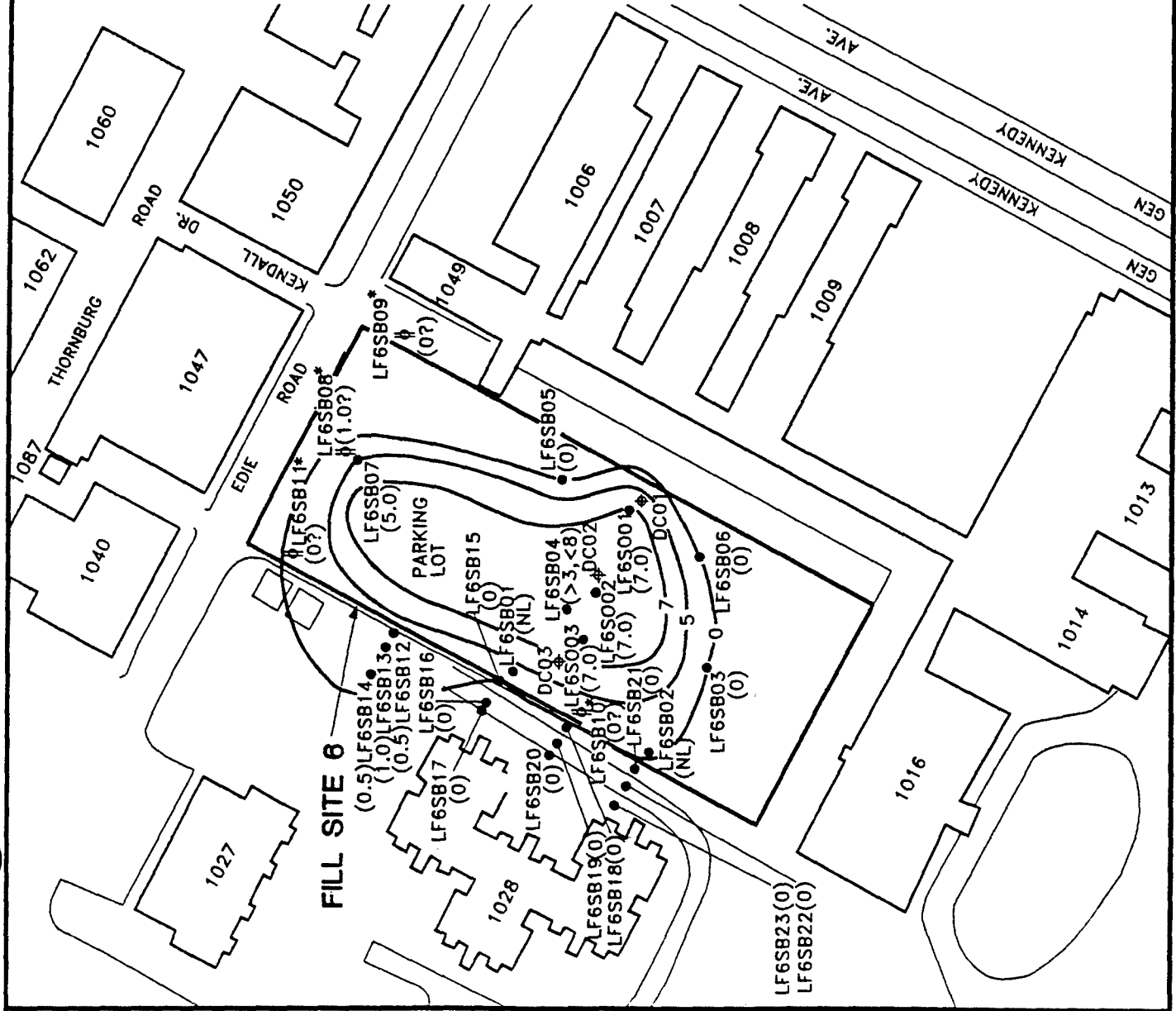
FILL SITE 6

DEBRIS FILL ISOPACH

PSF25059/DV1

Date: January 1997

Figure 9.4-4



11x17_v3.aml, pwaffle base_P06_S_1.gra, PDF

12 Sep 96 08:34:11 Thane

LF6SB01			
DEPTH	3.0'	9.0'	20.0'
LITHOLOGY	FILL	COLMA	COLMA
Aluminum	8620	6160	4200

LF6SO03		
DEPTH	3.0'	7.5'
LITHOLOGY	FILL	COLMA
Aluminum	18788.658	15107.213

LF6SB02			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Aluminum	7230	5170	4800

LF6SO02		
DEPTH	4.0'	7.0'
LITHOLOGY	FILL	COLMA
Aluminum	21860.521	13853.531

LF6SB03			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Aluminum	11100	6540	6950

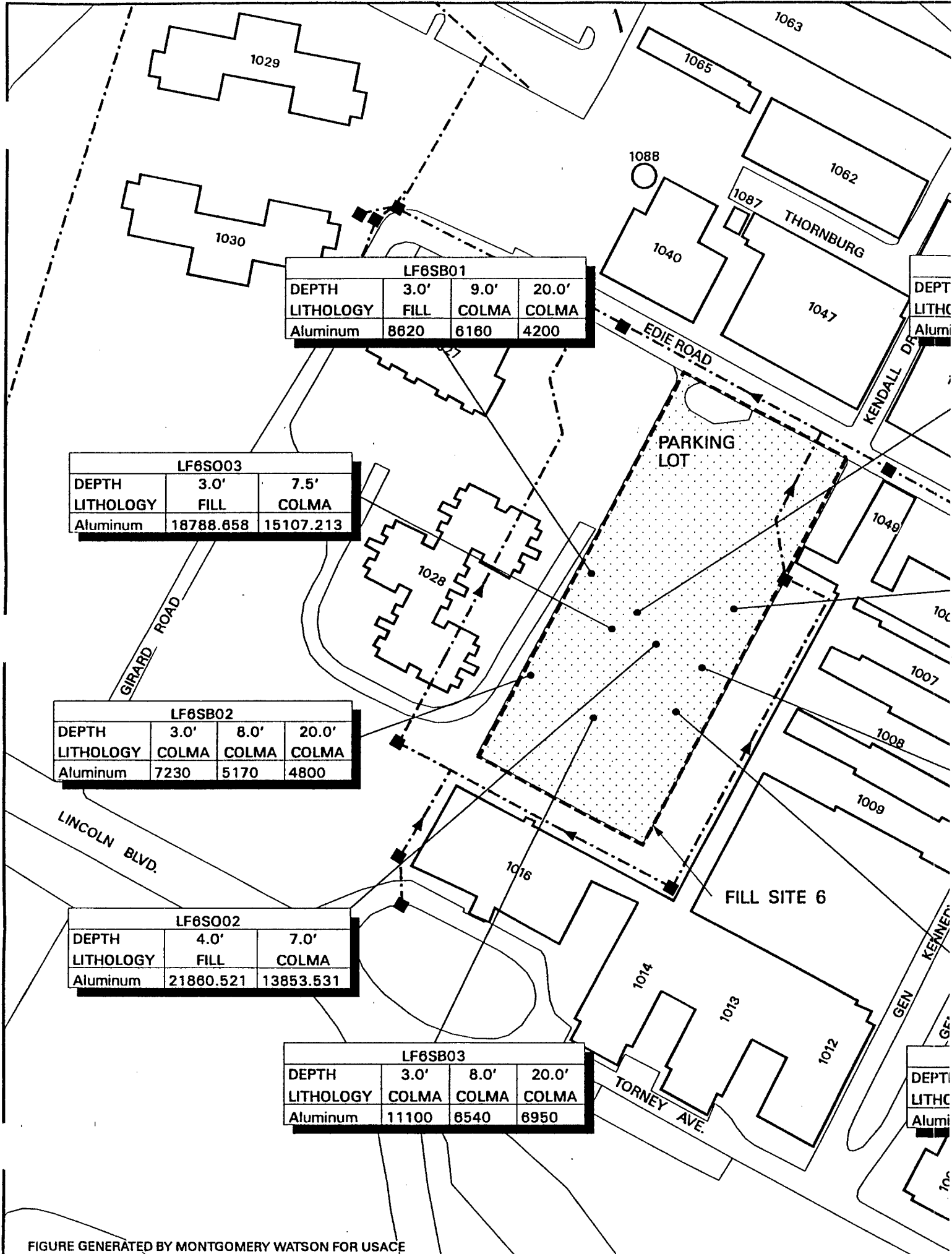
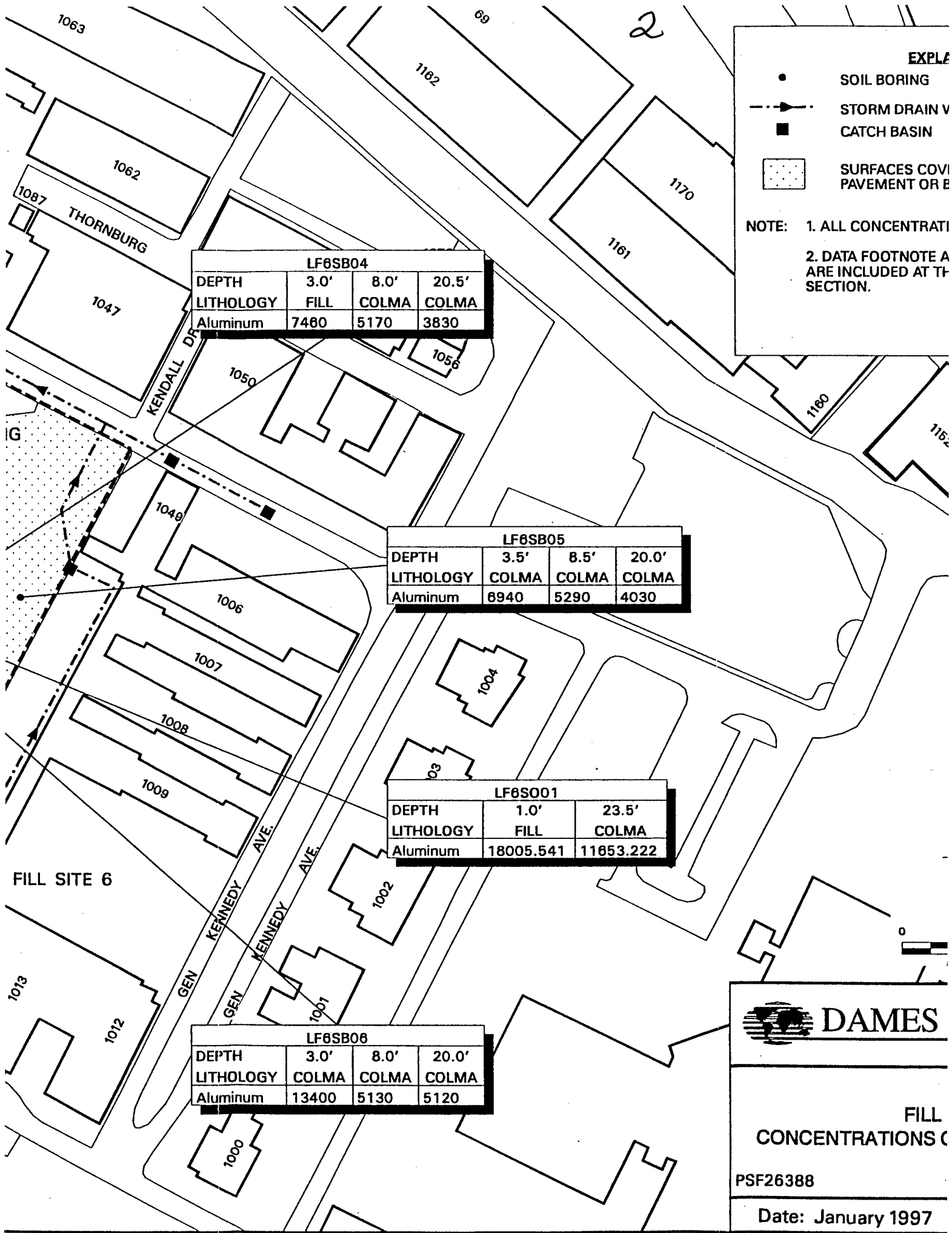


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



LF6SB04			
DEPTH	3.0'	8.0'	20.5'
LITHOLOGY	FILL	COLMA	COLMA
Aluminum	7480	5170	3830

LF6SB05			
DEPTH	3.5'	8.5'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Aluminum	6940	5290	4030

LF6S001		
DEPTH	1.0'	23.5'
LITHOLOGY	FILL	COLMA
Aluminum	18005.541	11853.222

LF6SB08			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Aluminum	13400	5130	5120

- EXPLANATION**
- SOIL BORING
 - - - - - STORM DRAIN V
 - CATCH BASIN
 - [Pattern] SURFACES COVERED WITH PAVEMENT OR EARTH

NOTE: 1. ALL CONCENTRATIONS ARE IN PPM.
2. DATA FOOTNOTED ARE INCLUDED AT THE BOTTOM OF THE SECTION.



**FILL
CONCENTRATIONS**

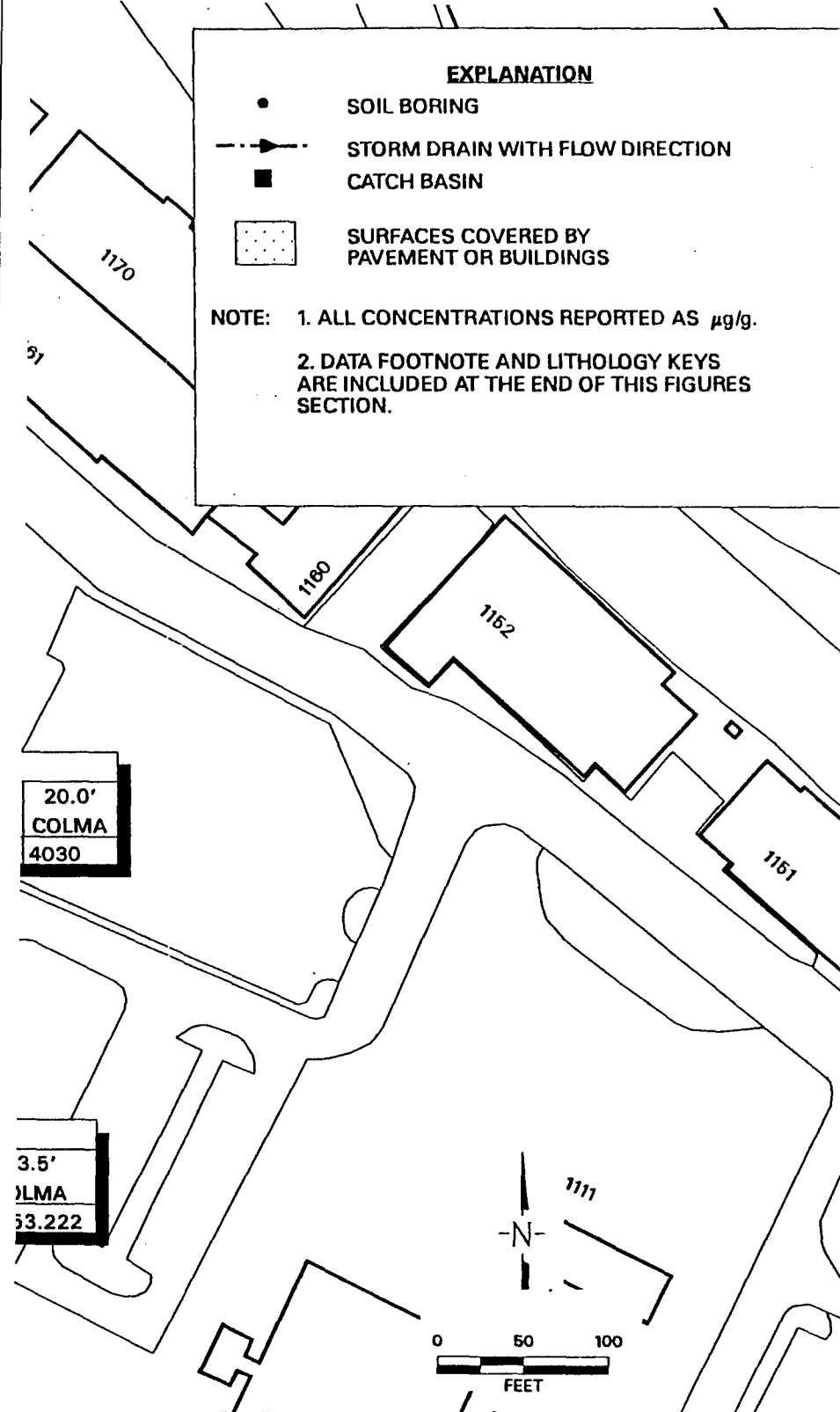
PSF26388

Date: January 1997

EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

**FILL SITE 6
CONCENTRATIONS OF ALUMINUM IN SOIL**

PSF26388

Date: January 1997

Figure 9.4-5

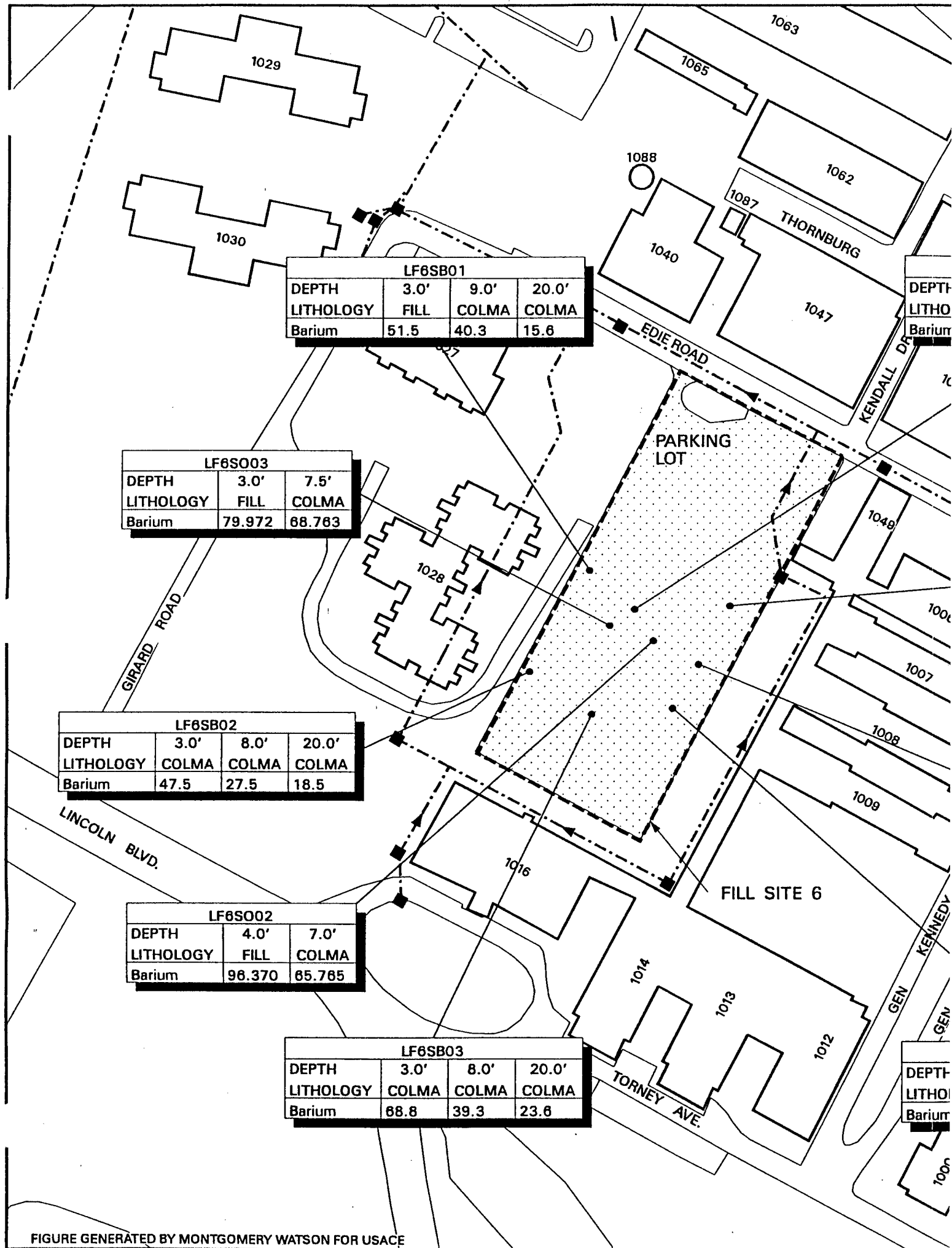
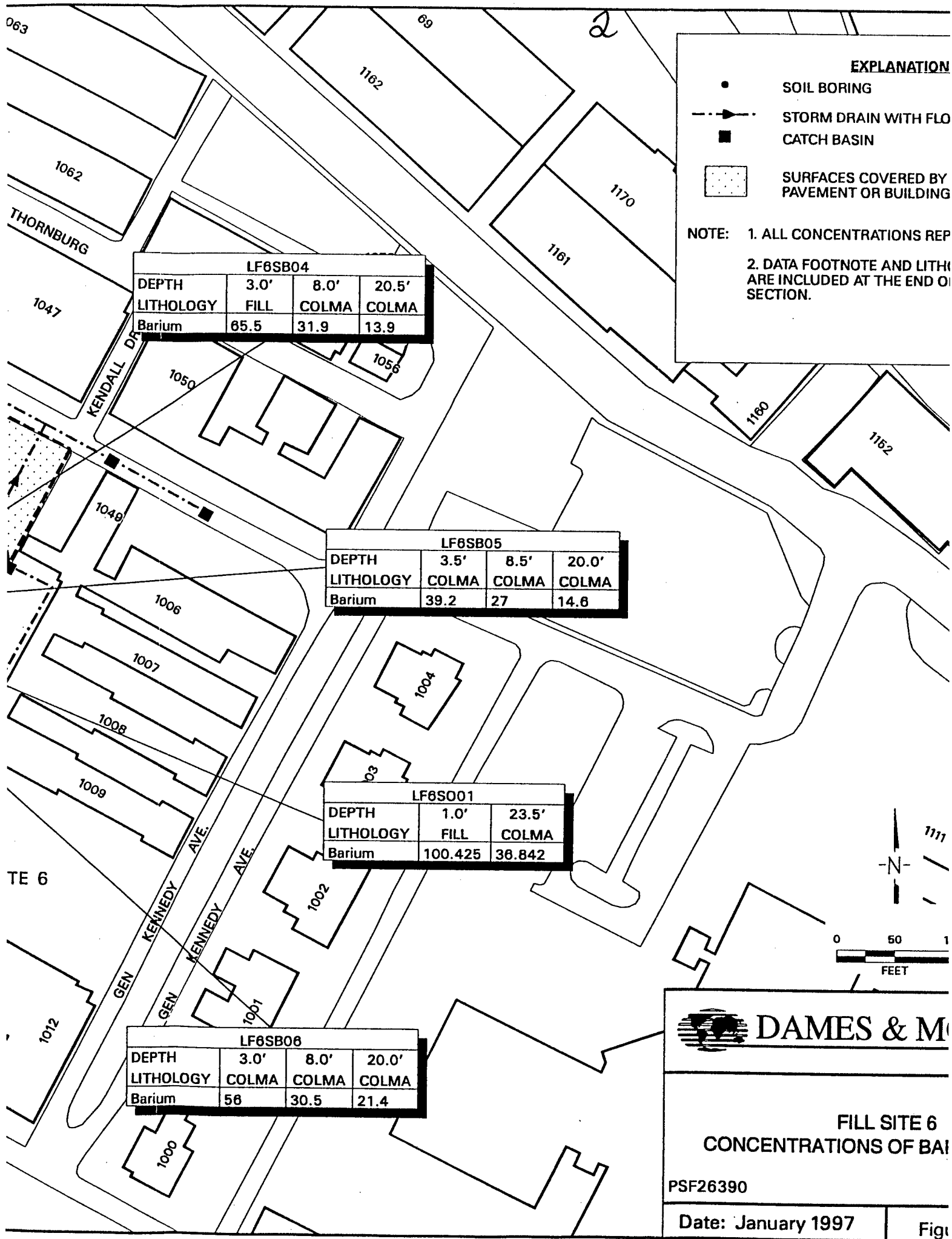


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

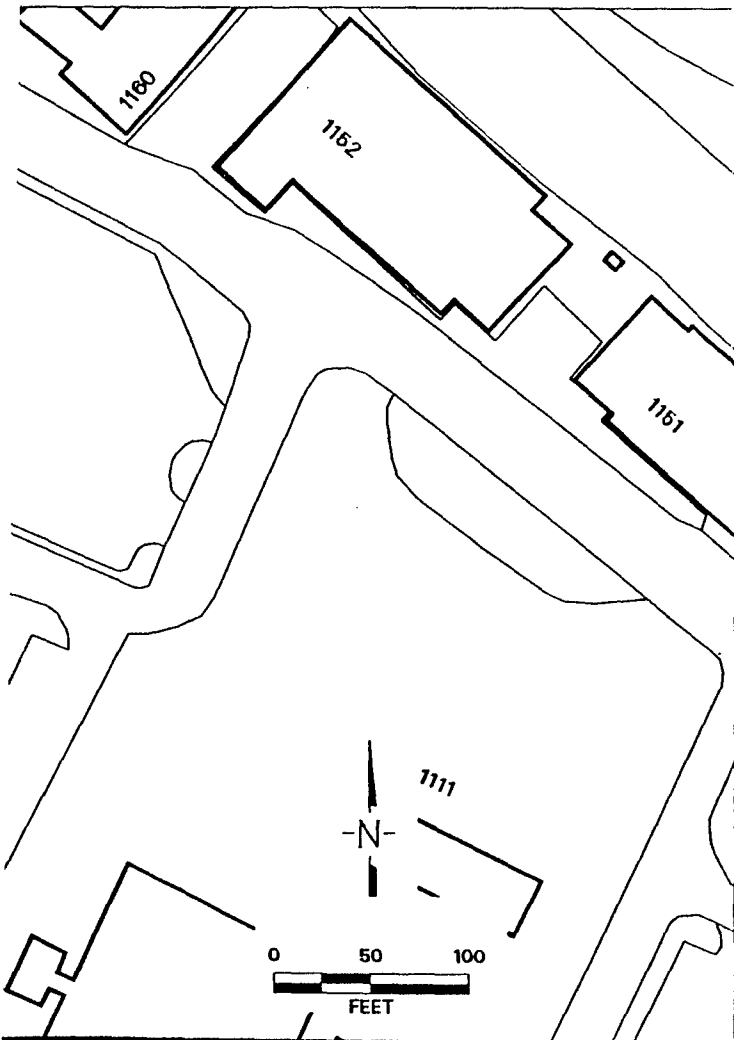


3

EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

FILL SITE 6 CONCENTRATIONS OF BARIUM IN SOIL

PSF26390

Date: January 1997

Figure 9.4-6

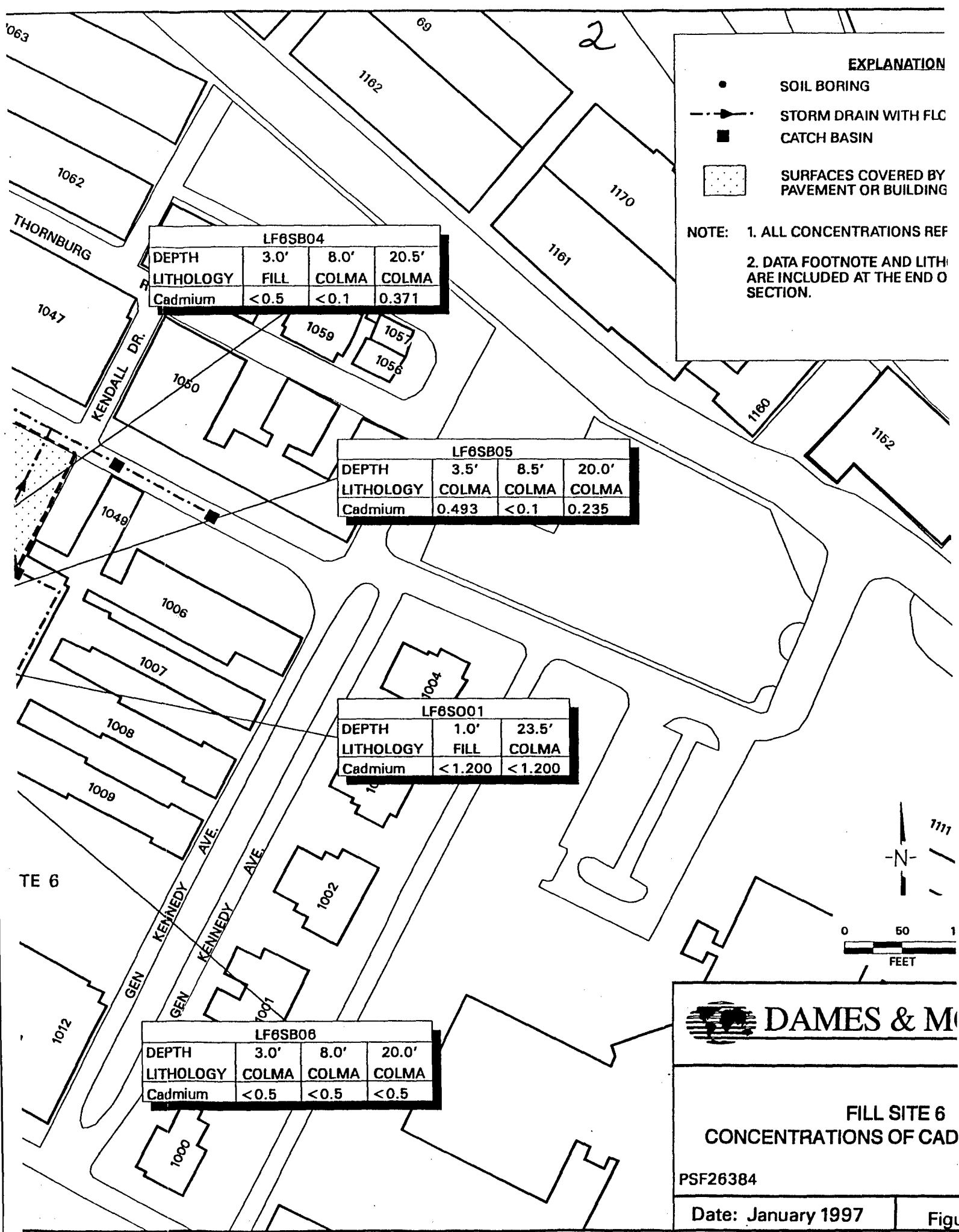
LF6SB01			
DEPTH	3.0'	9.0'	20.0'
LITHOLOGY	FILL	COLMA	COLMA
Cadmium	<0.1	<0.1	<0.5

LF6SO03		
DEPTH	3.0'	7.5'
LITHOLOGY	FILL	COLMA
Cadmium	<1.200	<1.200

LF6SB02			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Cadmium	<0.1	0.22	<0.1

LF6SO02		
DEPTH	4.0'	7.0'
LITHOLOGY	FILL	COLMA
Cadmium	<1.200	<1.200

LF6SB03			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Cadmium	0.444	<0.5	<0.1



EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLC
- CATCH BASIN
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDING

NOTE: 1. ALL CONCENTRATIONS REF
2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END OF SECTION.

LF6SB04			
DEPTH	3.0'	8.0'	20.5'
LITHOLOGY	FILL	COLMA	COLMA
Cadmium	<0.5	<0.1	0.371

LF6SB05			
DEPTH	3.5'	8.5'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Cadmium	0.493	<0.1	0.235

LF6SO01		
DEPTH	1.0'	23.5'
LITHOLOGY	FILL	COLMA
Cadmium	<1.200	<1.200

LF6SB08			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Cadmium	<0.5	<0.5	<0.5



FILL SITE 6 CONCENTRATIONS OF CAD

PSF26384

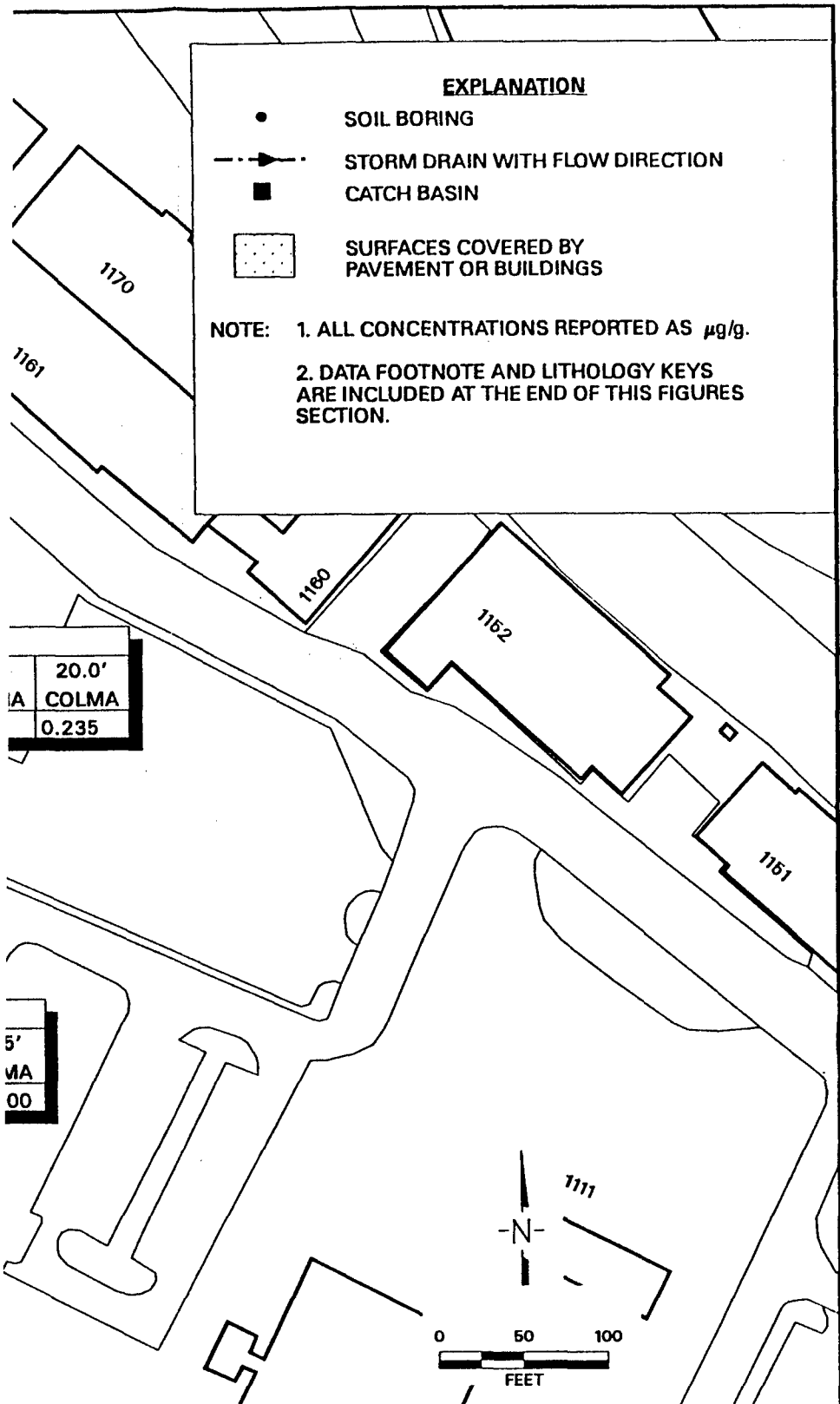
Date: January 1997

Fig

EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

FILL SITE 6 CONCENTRATIONS OF CADMIUM IN SOIL

PSF26384

Date: January 1997

Figure 9.4-7

LF6SB01			
DEPTH	3.0'	9.0'	20.0'
LITHOLOGY	FILL	COLMA	COLMA
Chromium	48.2	43.7	24

LF6S003		
DEPTH	3.0'	7.5'
LITHOLOGY	FILL	COLMA
Chromium	131.242	149.033

LF6SB02			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Chromium	49.7	41.8	30.5

LF6S002		
DEPTH	4.0'	7.0'
LITHOLOGY	FILL	COLMA
Chromium	188.773	98.002

LF6SB03			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Chromium	81	50.2	51.5

DEPTH	
LITHOLOGY	
Chromium	9

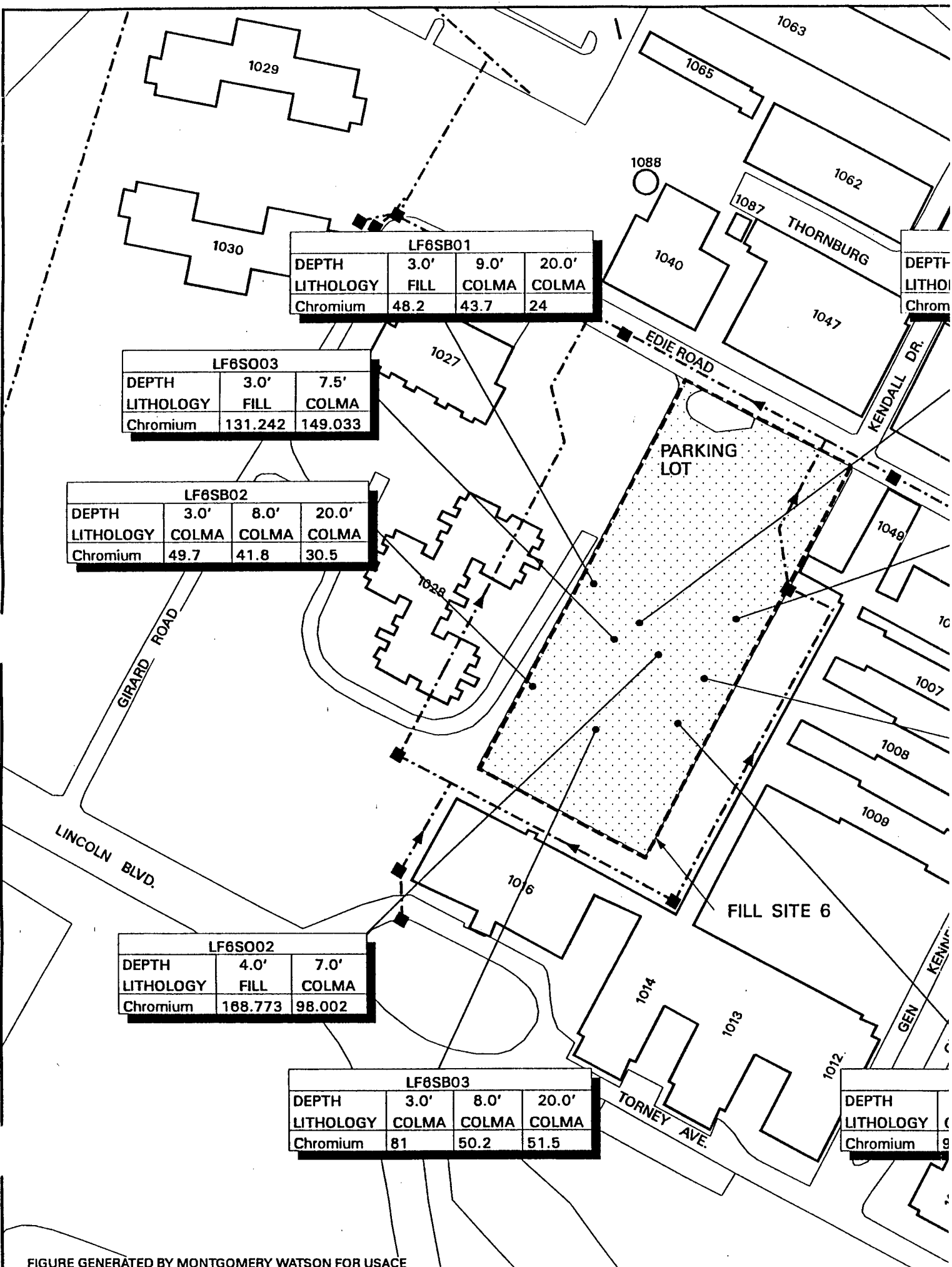
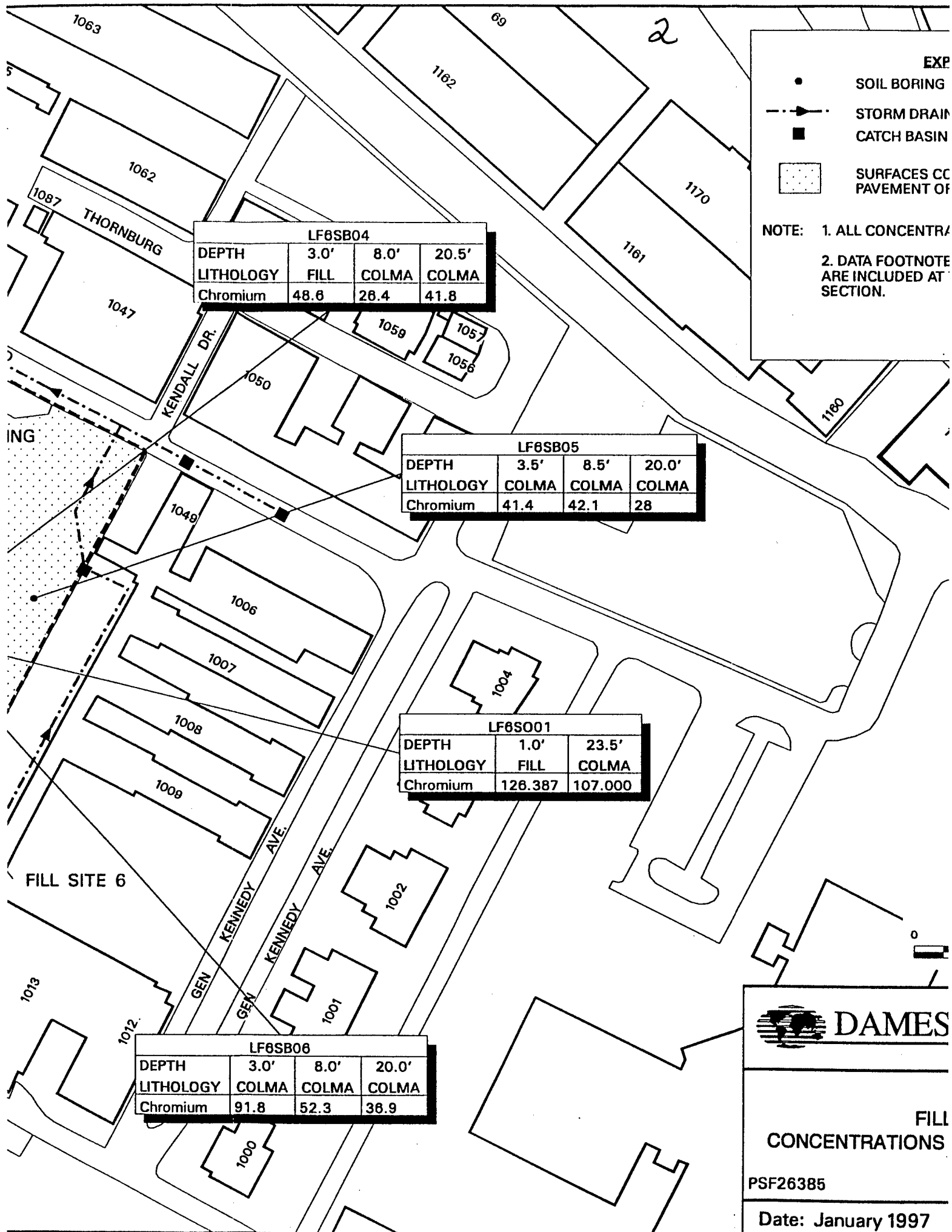


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



LF6SB04			
DEPTH	3.0'	8.0'	20.5'
LITHOLOGY	FILL	COLMA	COLMA
Chromium	48.6	26.4	41.8

LF6SB05			
DEPTH	3.5'	8.5'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Chromium	41.4	42.1	28

LF6SO01		
DEPTH	1.0'	23.5'
LITHOLOGY	FILL	COLMA
Chromium	126.387	107.000

LF6SB06			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Chromium	91.8	52.3	36.9

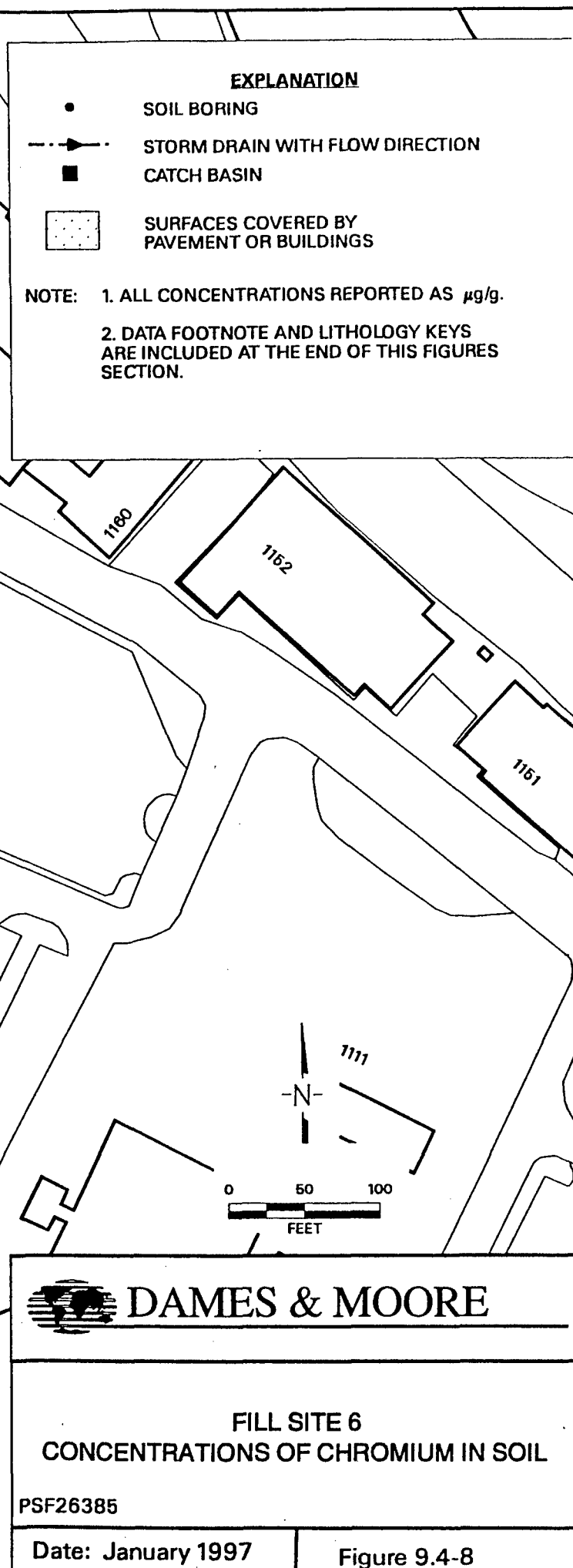
- EXP
- SOIL BORING
 - > STORM DRAIN
 - CATCH BASIN
 - ▨ SURFACES CC PAVEMENT OF

NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE ARE INCLUDED AT SECTION.



FILL
CONCENTRATIONS

PSF26385
Date: January 1997



LF6SB01			
DEPTH	3.0'	9.0'	20.0'
LITHOLOGY	FILL	COLMA	COLMA
Lead	3.02 n	2.58 n	1.8 n

LF6SO03		
DEPTH	3.0'	7.5'
LITHOLOGY	FILL	COLMA
Lead	<7.440	<7.440

LF6SB02			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Lead	2.6 n	2.42 n	2.18 n

LF6SO02		
DEPTH	4.0'	7.0'
LITHOLOGY	FILL	COLMA
Lead	<7.440	<7.440

LF6SB03			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Lead	3.44 n	2.73 n	3.06 n

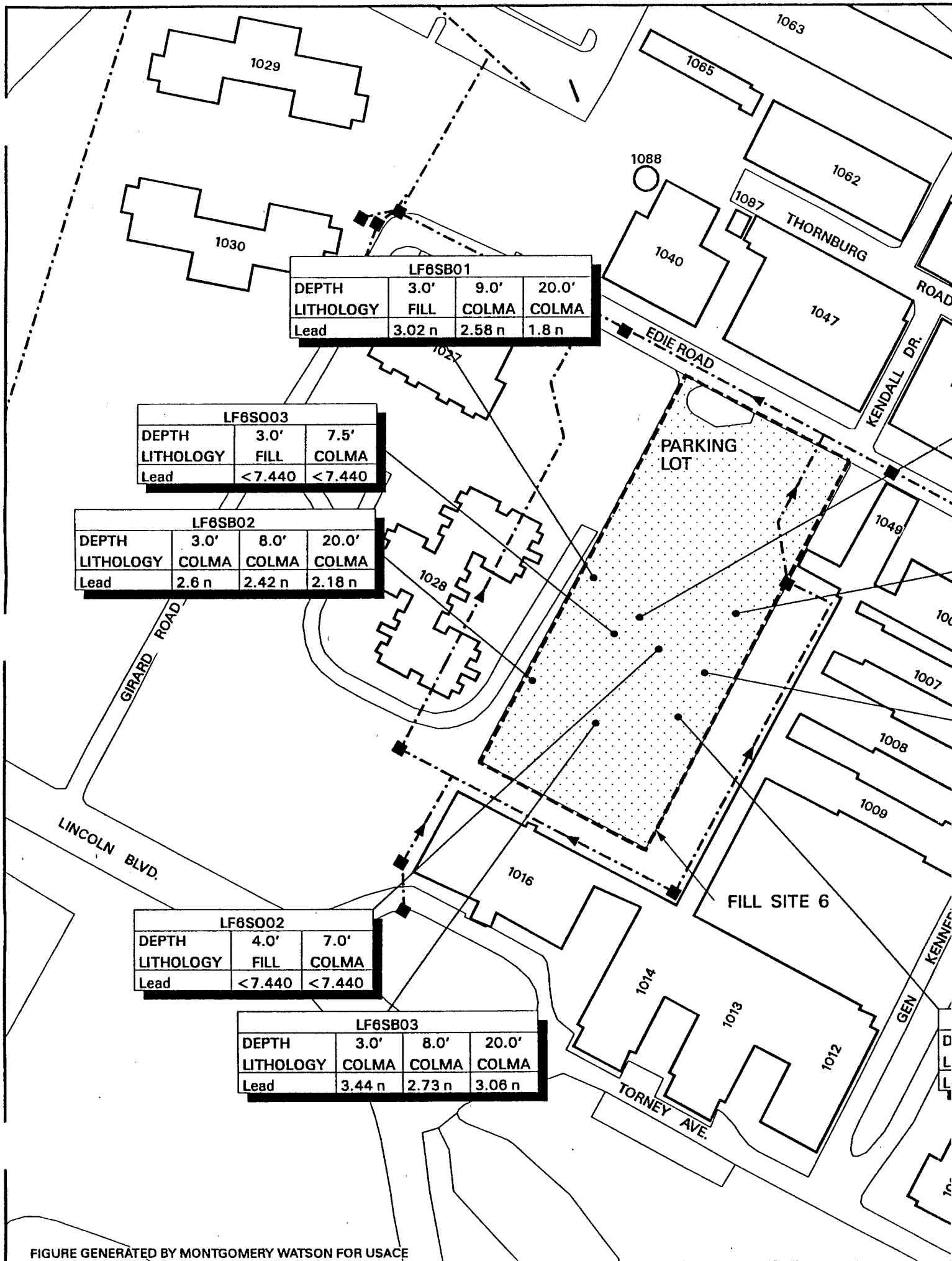
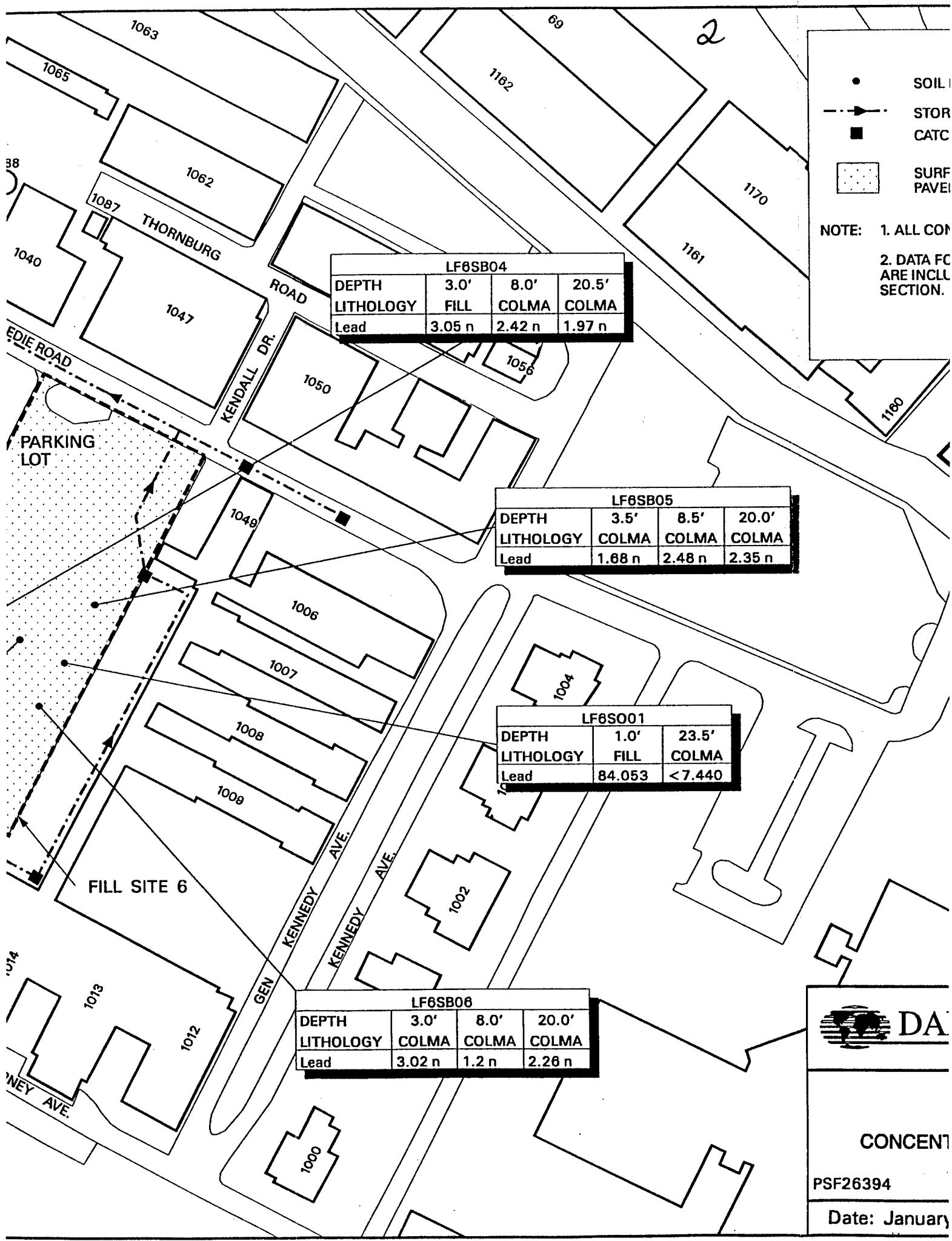


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



- SOIL
- > STOR
- CATC
- ▨ SURF PAVE

NOTE: 1. ALL COM
2. DATA FC
ARE INCLU
SECTION.

LF6SB04			
DEPTH	3.0'	8.0'	20.5'
LITHOLOGY	FILL	COLMA	COLMA
Lead	3.05 n	2.42 n	1.97 n

LF6SB05			
DEPTH	3.5'	8.5'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Lead	1.68 n	2.48 n	2.35 n

LF6S001		
DEPTH	1.0'	23.5'
LITHOLOGY	FILL	COLMA
Lead	84.053	<7.440

LF6SB08			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Lead	3.02 n	1.2 n	2.28 n



CONCENT
PSF26394
Date: January

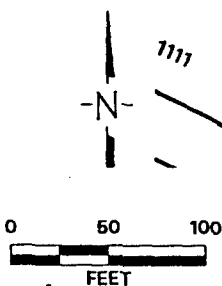
EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

20.0'
 A COLMA
 2.35 n

3'
 A
 40



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FILL SITE 6 CONCENTRATIONS OF LEAD IN SOIL

PSF26394

Date: January 1997

Figure 9.4-9

12 Sep 96 09:48:12 Thursday
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LF6SB01			
DEPTH	3.0'	9.0'	20.0'
LITHOLOGY	FILL	COLMA	COLMA
Nickel	50.4	43.7	37.2

LF6SO03		
DEPTH	3.0'	7.5'
LITHOLOGY	FILL	COLMA
Nickel	90.558	77.351

LF6SB02			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Nickel	61	53.9	43.6

LF6SO02		
DEPTH	4.0'	7.0'
LITHOLOGY	FILL	COLMA
Nickel	105.827	74.619

LF6SB03			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Nickel	72.1	50.2	64

DEPTH	
LITHOLOGY	C
Nickel	7

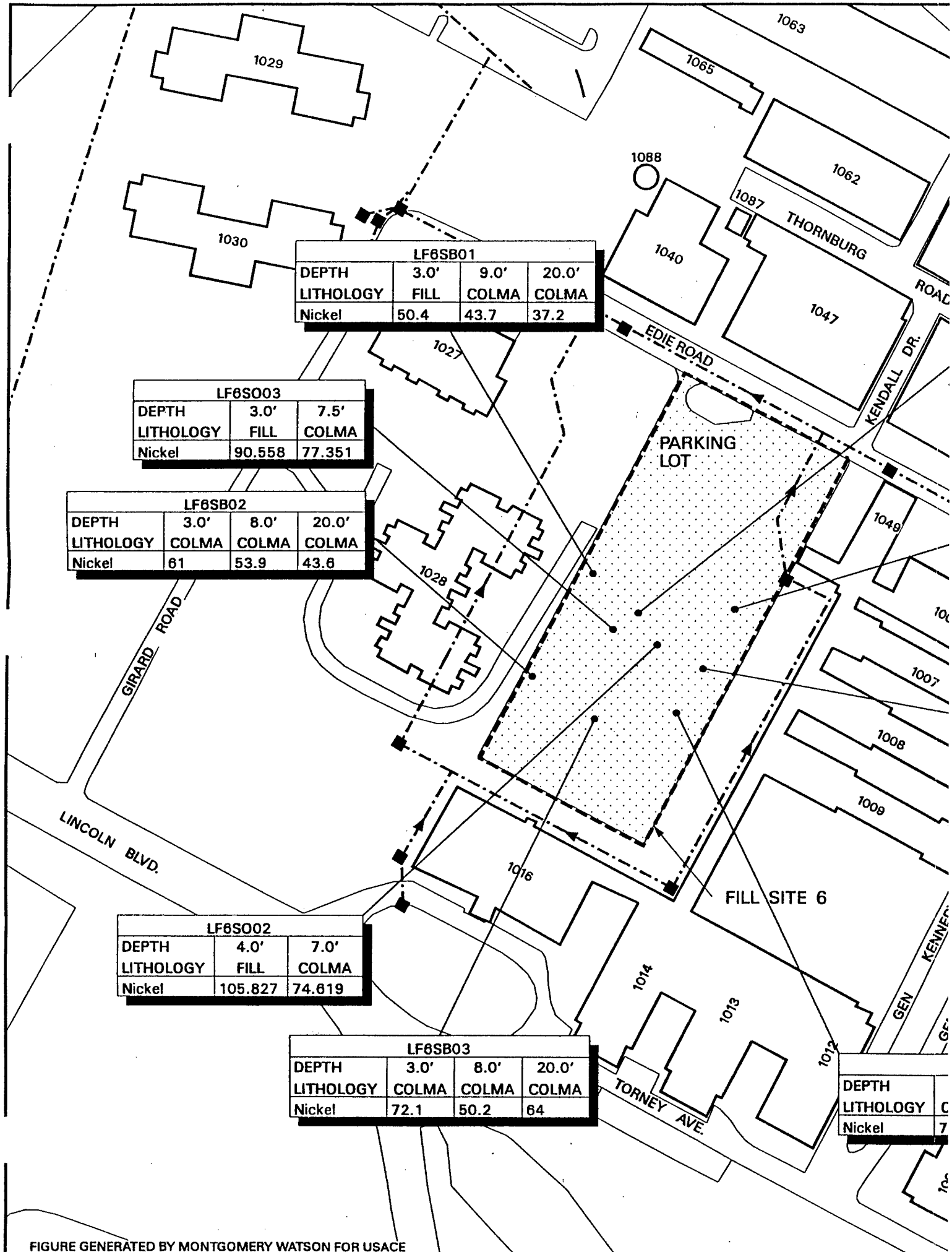
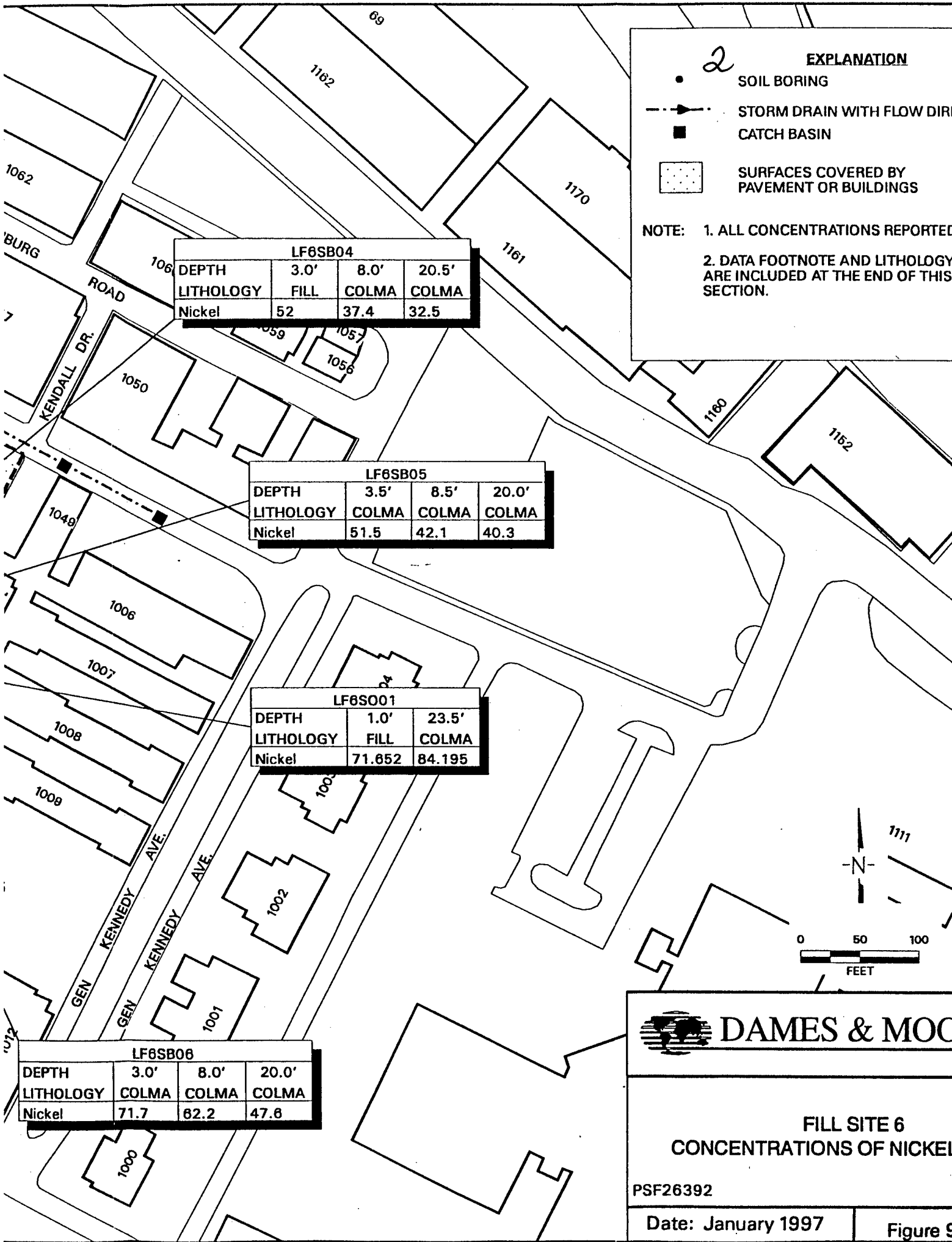


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

1161

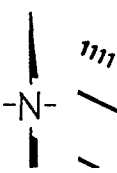
1170

1180

1152

1151

0.0'
DLMA
1.3



0 50 100
FEET



DAMES & MOORE

**FILL SITE 6
CONCENTRATIONS OF NICKEL IN SOIL**

PSF26392

Date: January 1997

Figure 9.4-10

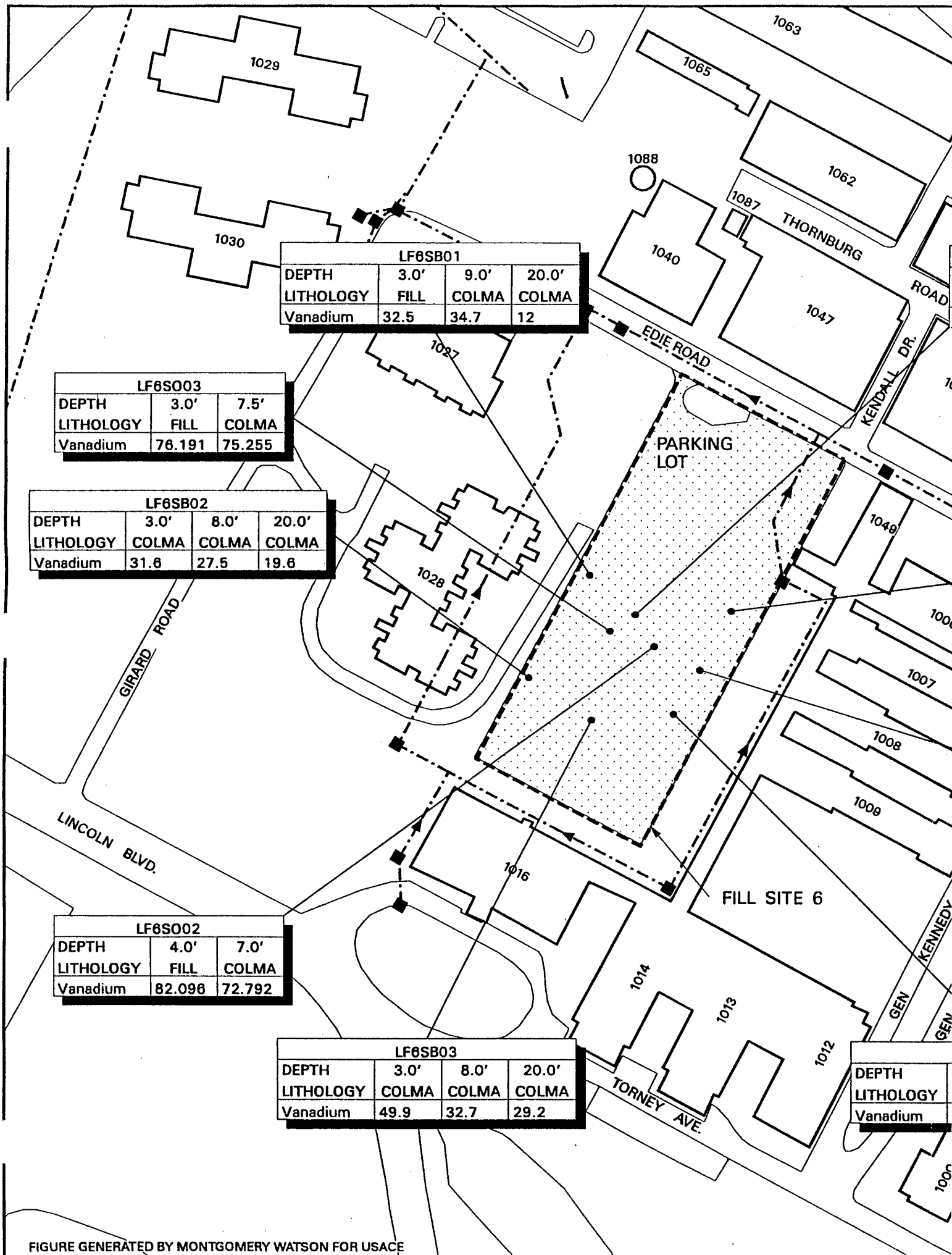
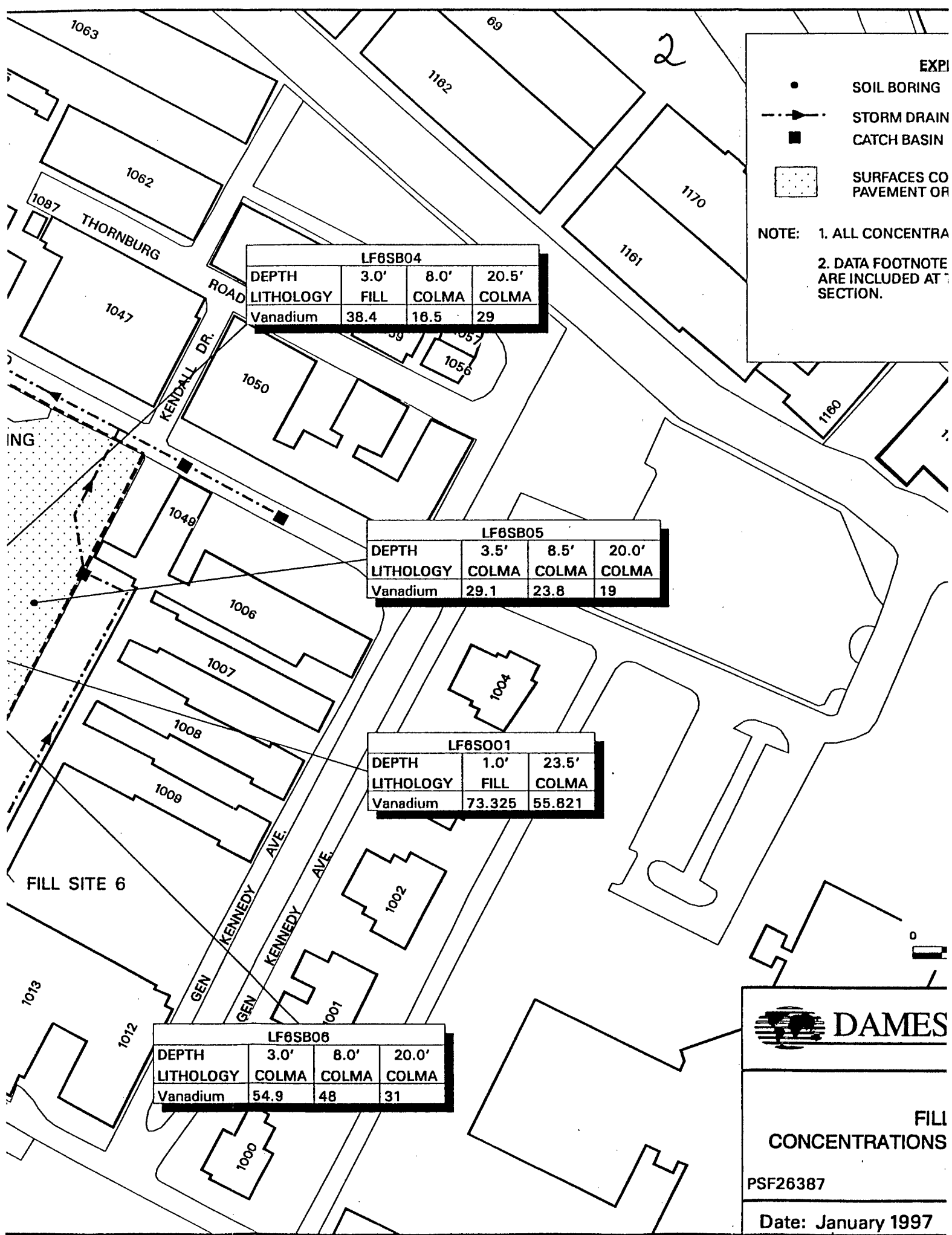


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



LF6SB04			
DEPTH	3.0'	8.0'	20.5'
LITHOLOGY	FILL	COLMA	COLMA
Vanadium	38.4	16.5	29

LF6SB05			
DEPTH	3.5'	8.5'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Vanadium	29.1	23.8	19

LF6S001		
DEPTH	1.0'	23.5'
LITHOLOGY	FILL	COLMA
Vanadium	73.325	55.821

LF6SB06			
DEPTH	3.0'	8.0'	20.0'
LITHOLOGY	COLMA	COLMA	COLMA
Vanadium	54.9	48	31

- EXPI
- SOIL BORING
 - > STORM DRAIN
 - CATCH BASIN
 - SURFACES CO
PAVEMENT OR

NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE
ARE INCLUDED AT
SECTION.



FILL
CONCENTRATIONS

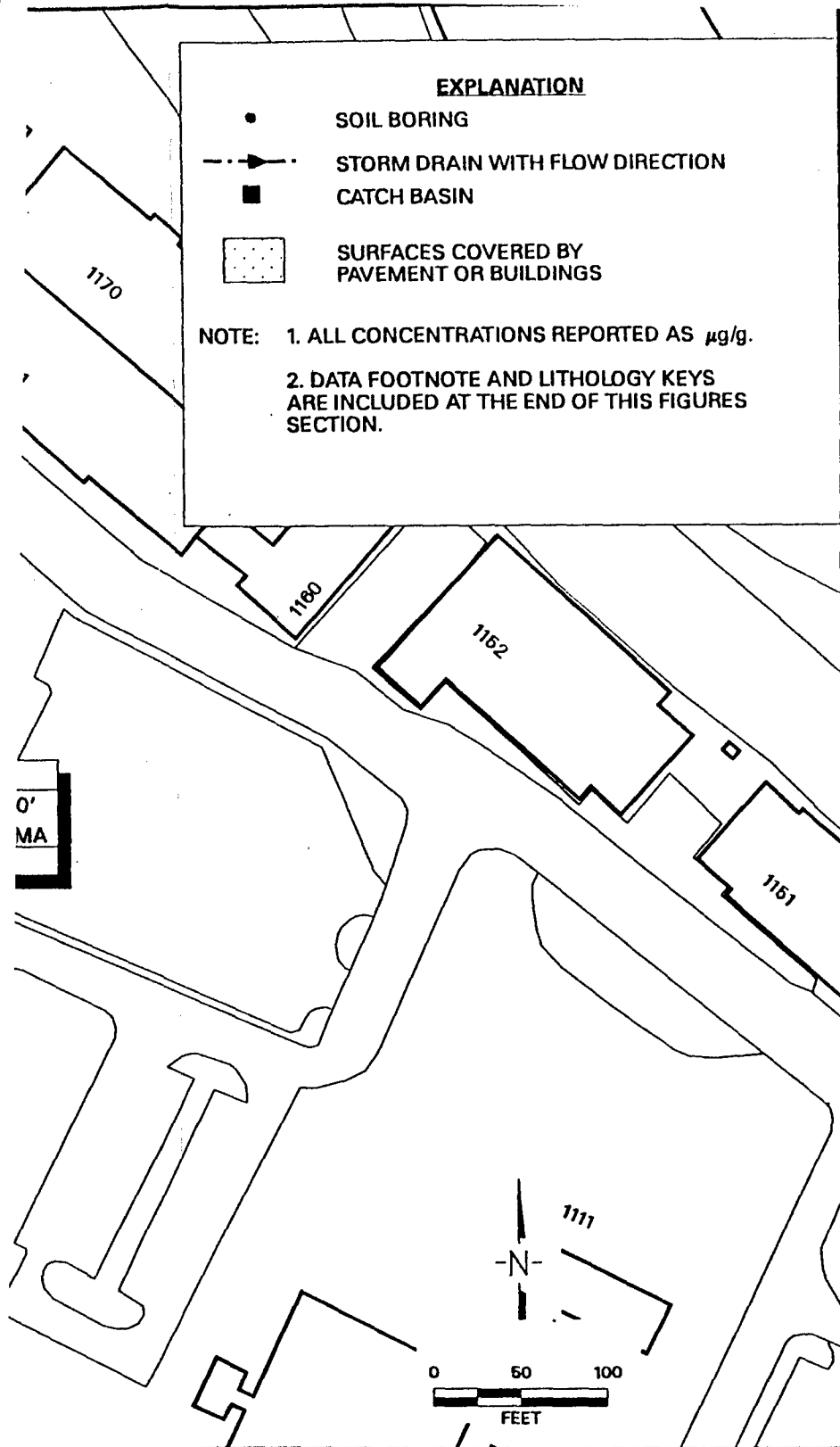
PSF26387

Date: January 1997

EXPLANATION

- SOIL BORING
- > STORM DRAIN WITH FLOW DIRECTION
- CATCH BASIN
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



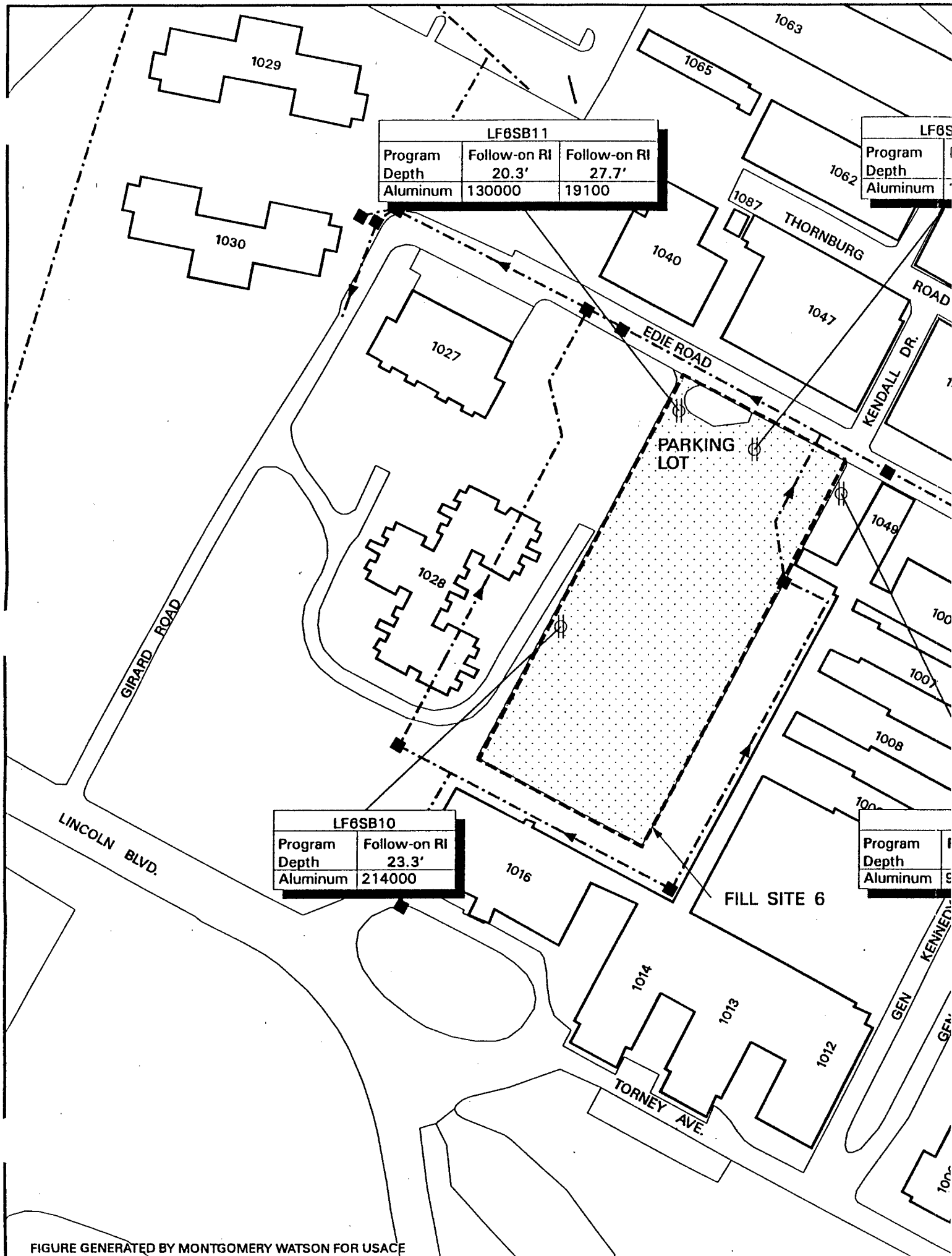
DAMES & MOORE

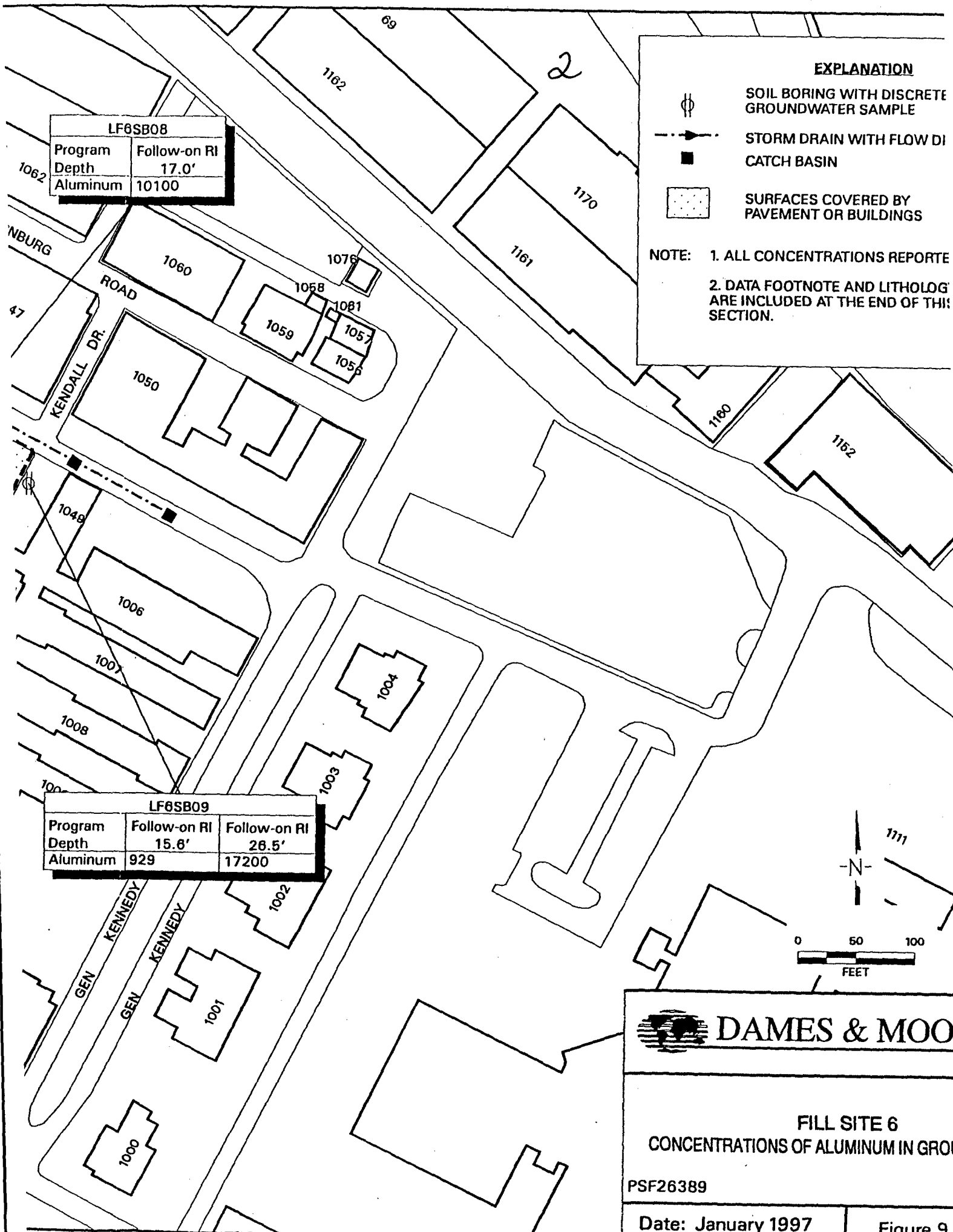
FILL SITE 6 CONCENTRATIONS OF VANADIUM IN SOIL

PSF26387





Date: January 1997

Figure 9.4-11



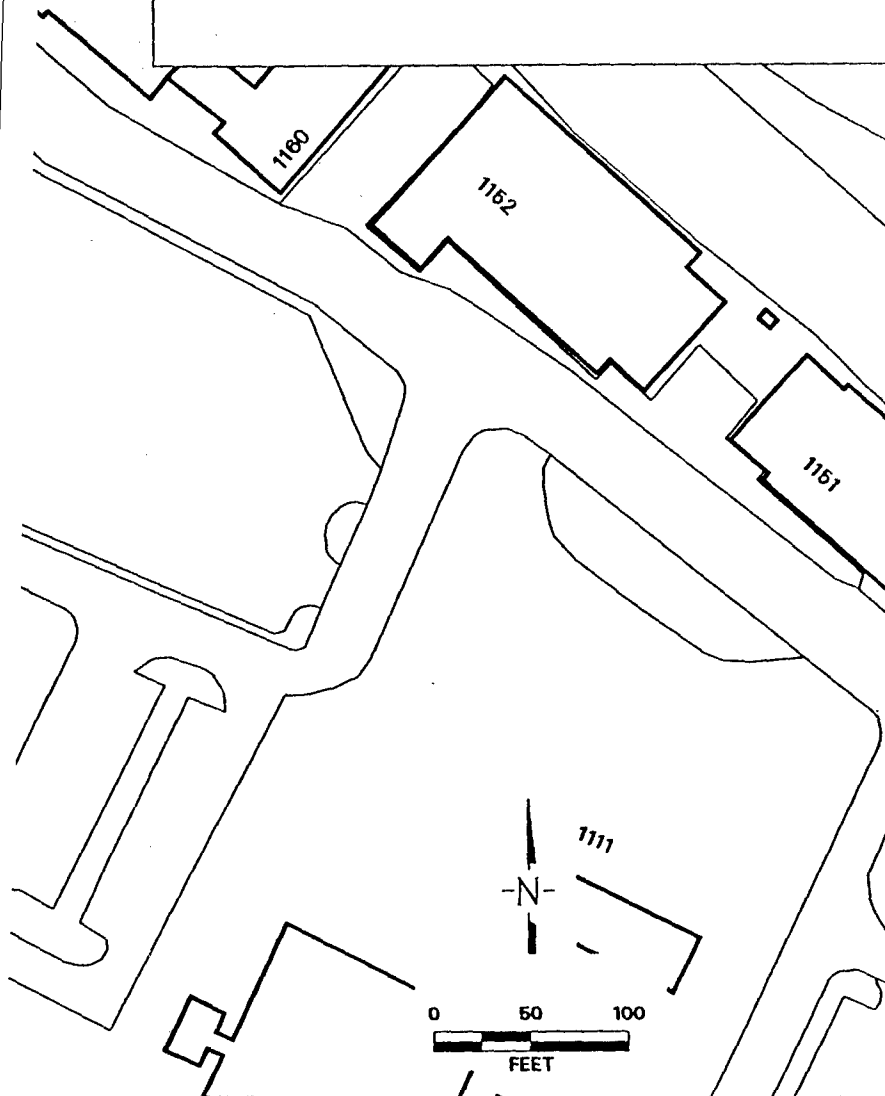


EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  CATCH BASIN
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

FILL SITE 6
CONCENTRATIONS OF ALUMINUM IN GROUNDWATER

PSF26389

Date: January 1997

Figure 9.4-12

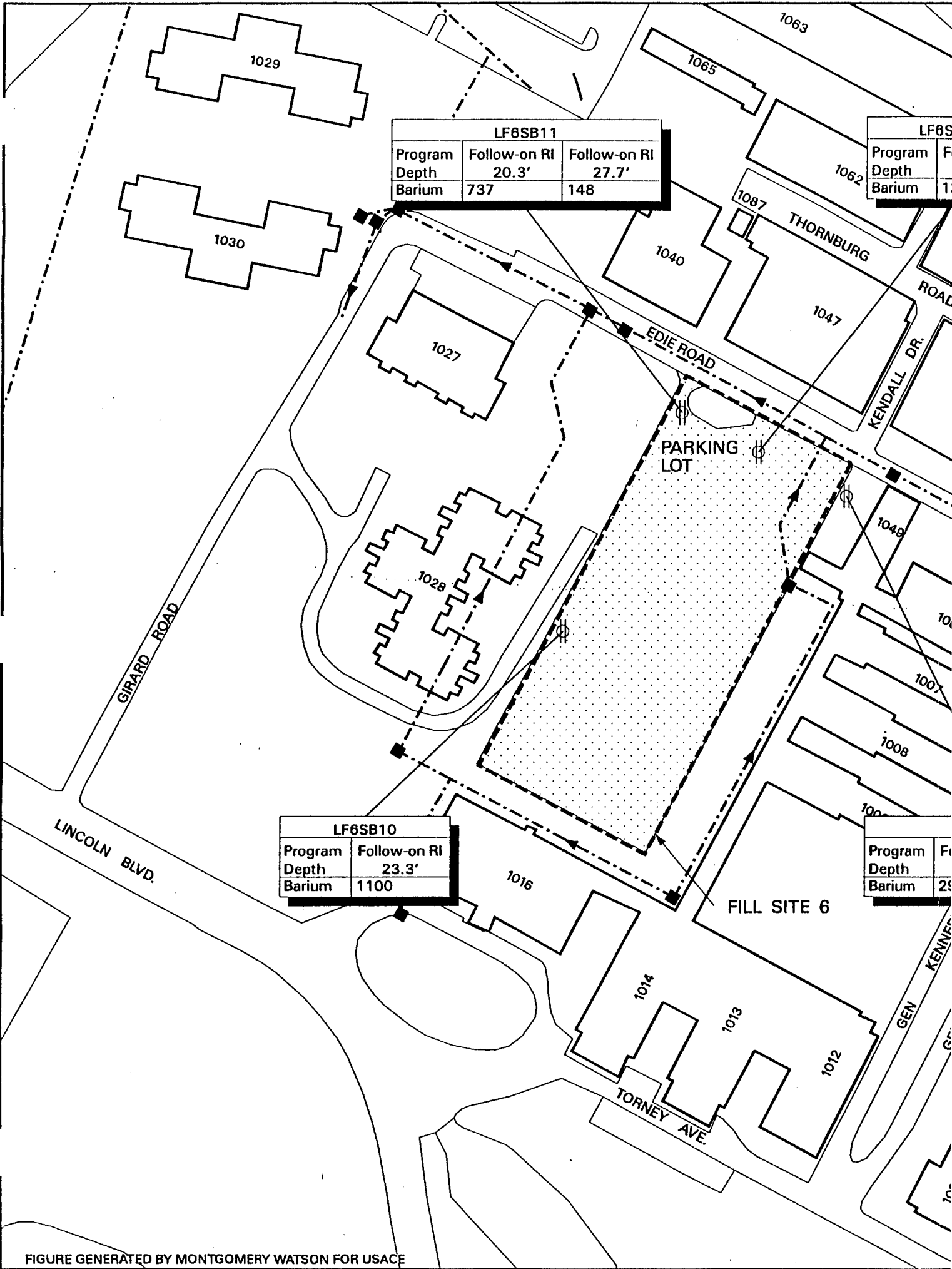





FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE


LF8SB08	
Program	Follow-on RI
Depth	17.0'
Barium	134

EXPLANATION

 SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

 STORM DRAIN WITH FLOW DIRE

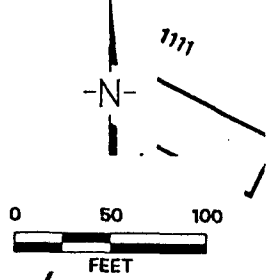
 CATCH BASIN


 SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

LF8SB09		
Program	Follow-on RI	Follow-on RI
Depth	15.6'	26.5'
Barium	29.0	150





DAMES & MOC

FILL SITE 6





CONCENTRATIONS OF BARIUM IN GROL

PSF26391

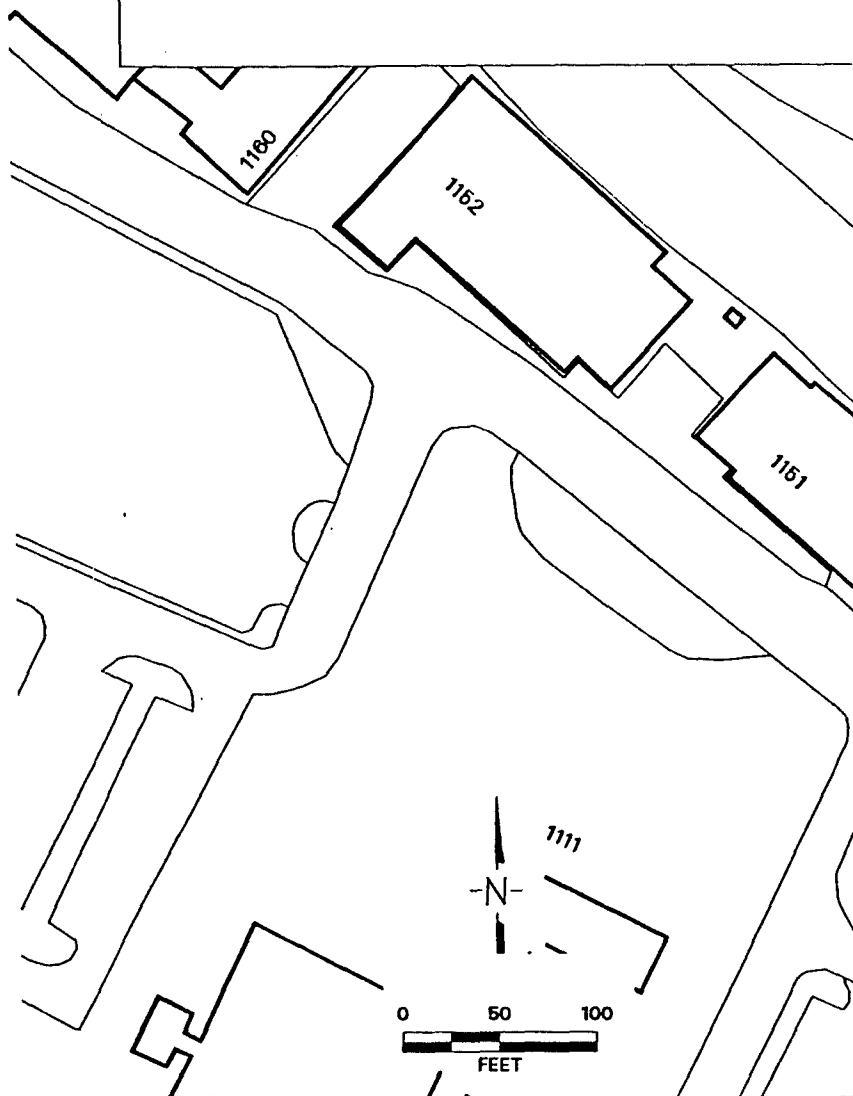
Date: January 1997

Figure 9

EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  CATCH BASIN
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

**FILL SITE 6
CONCENTRATIONS OF BARIUM IN GROUNDWATER**

PSF26391

Date: January 1997

Figure 9.4-13

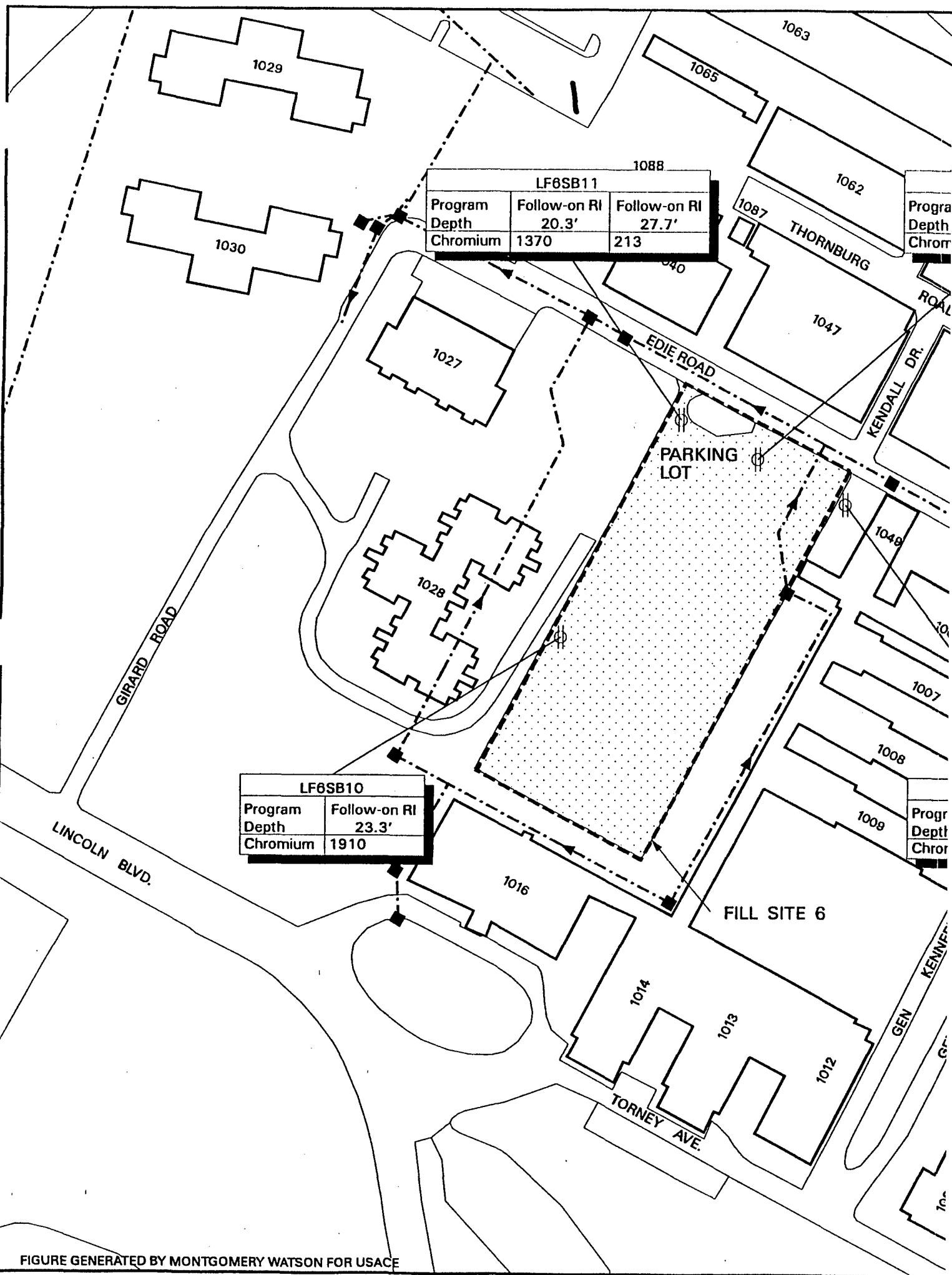
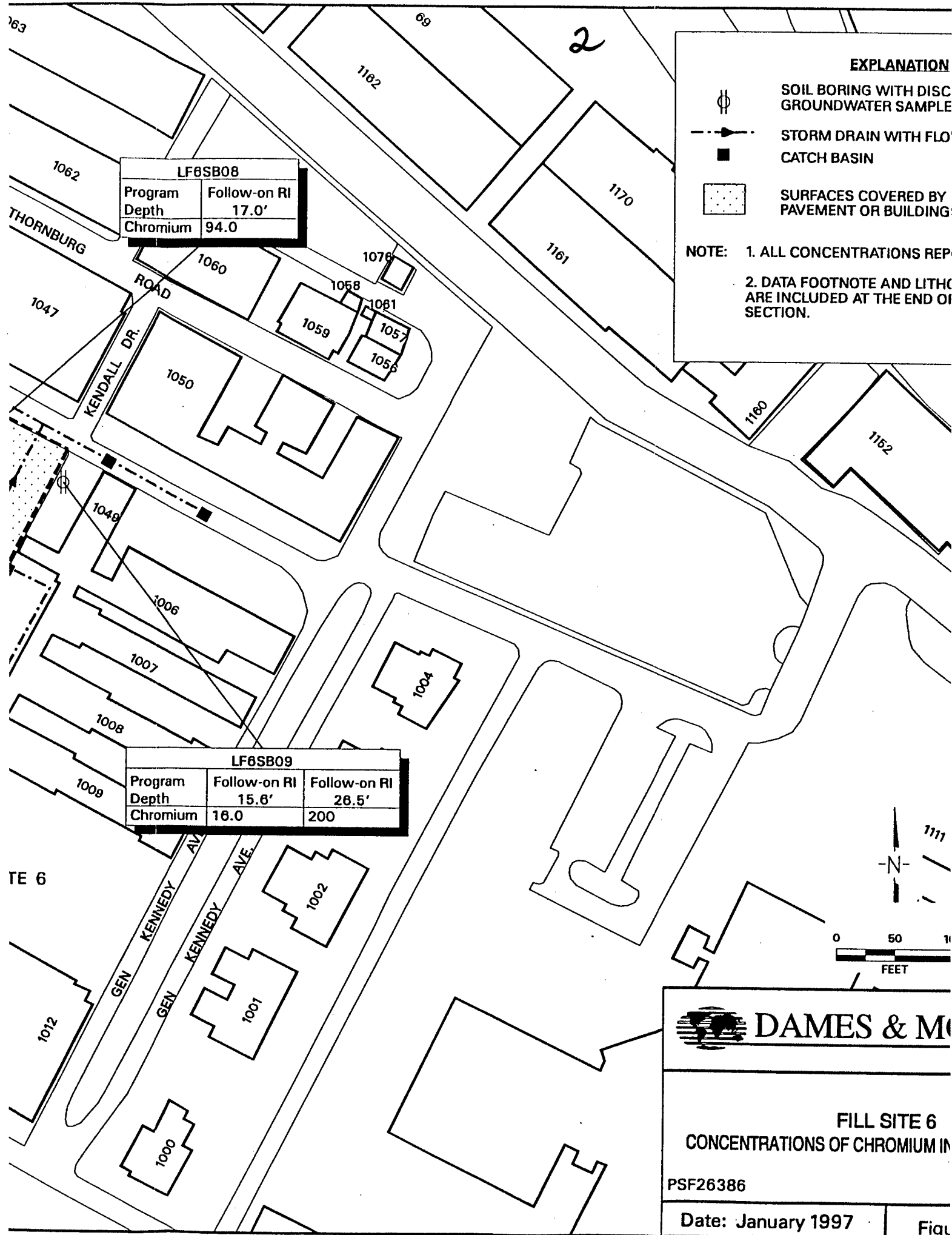






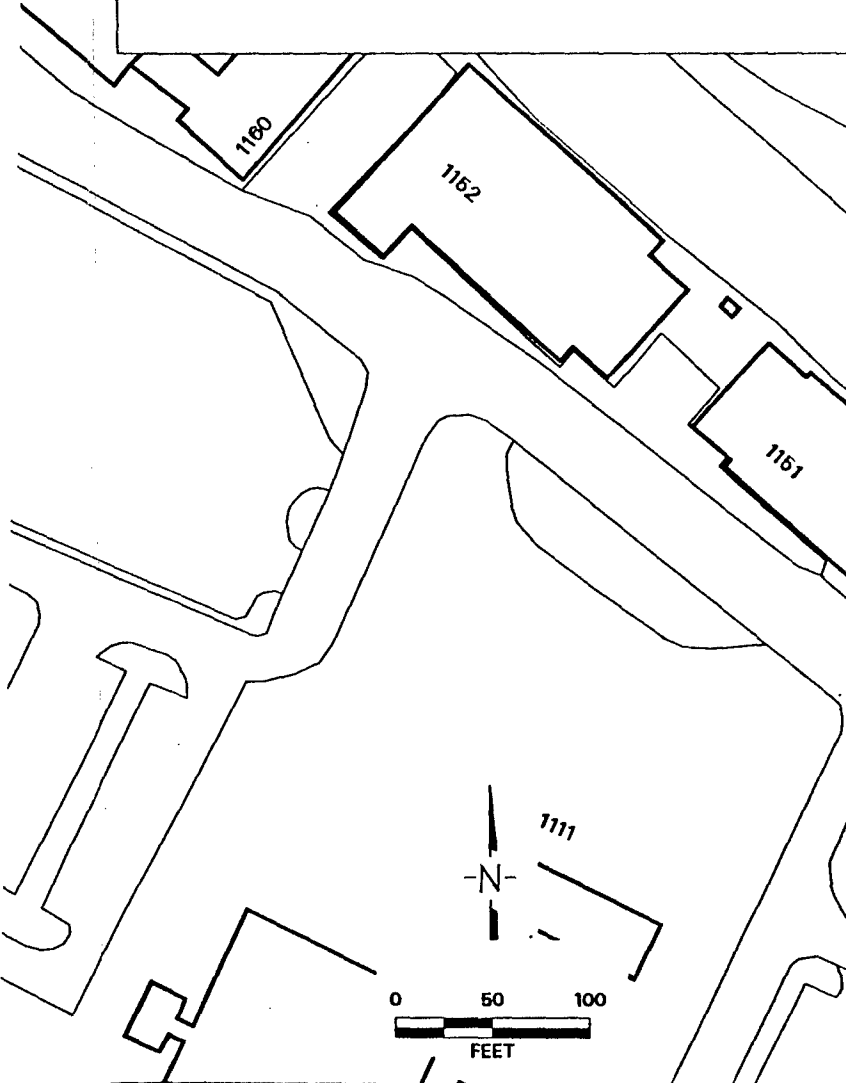
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  CATCH BASIN
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

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FILL SITE 6
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26386

Date: January 1997

Figure 9.4-14

12 SEP 90 UNCLASSIFIED 10/11/93 DATA PRINTING NAME: JPO, PL 14.GRD FOR

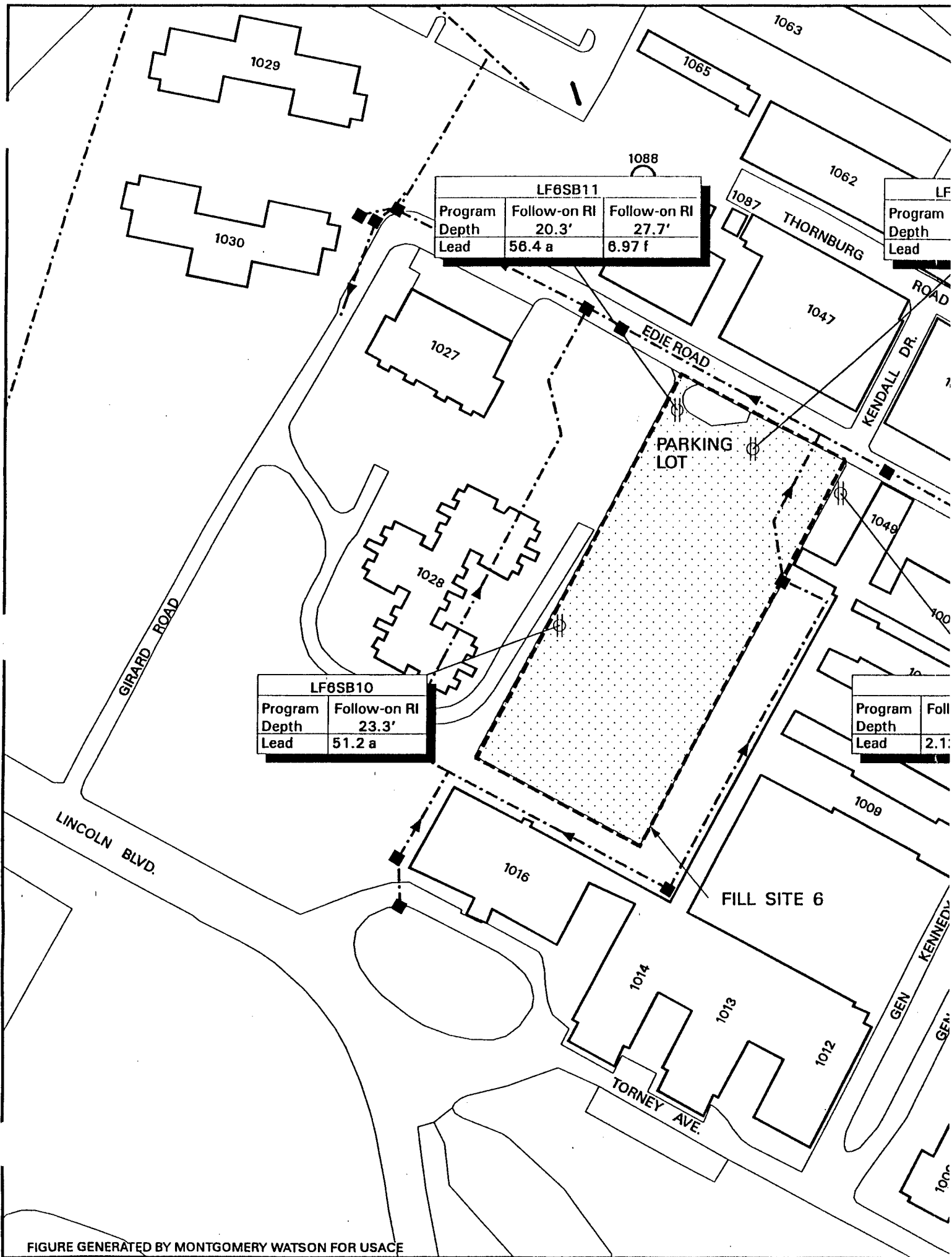
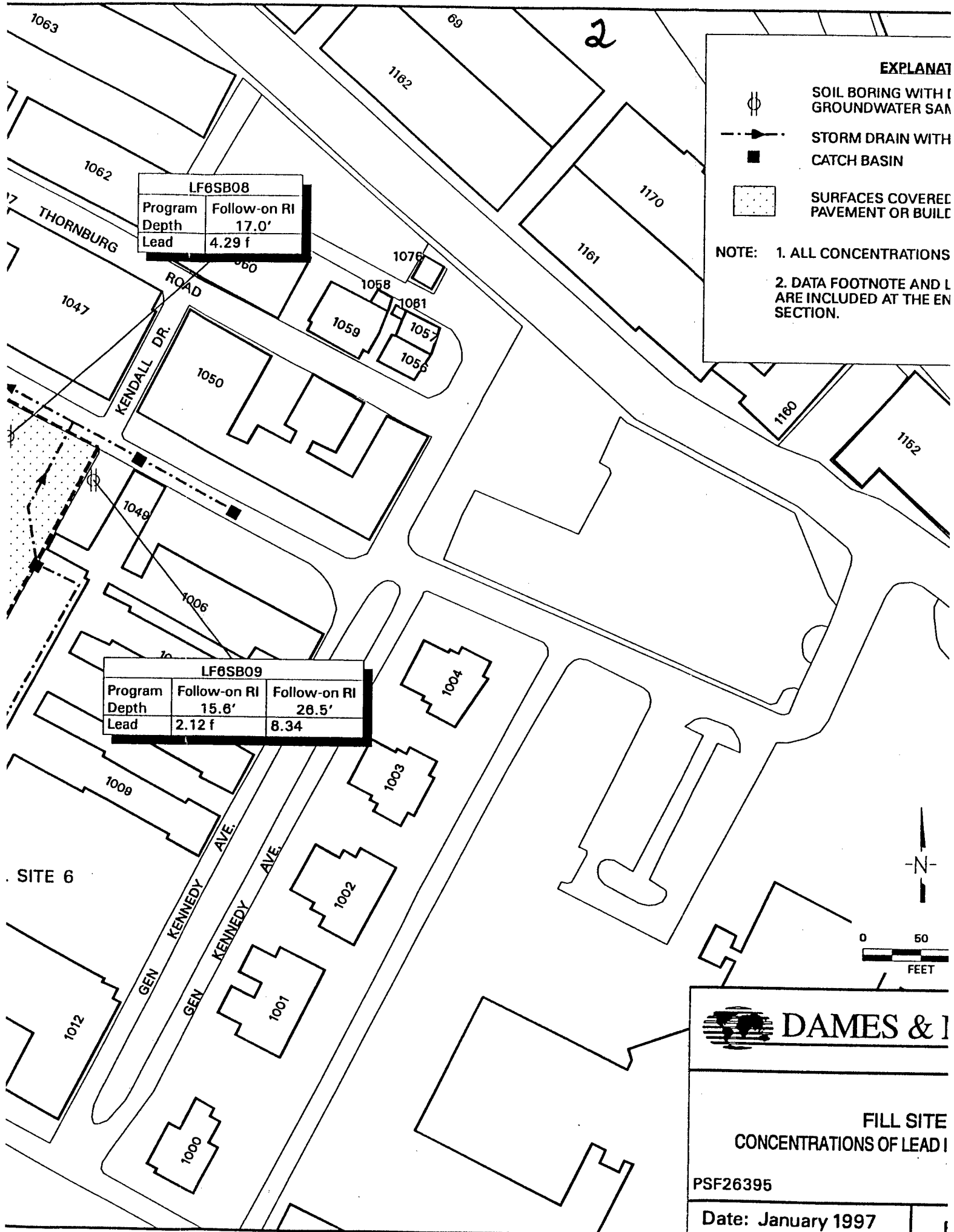


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



LF6SB08	
Program	Follow-on RI
Depth	17.0'
Lead	4.29 f

LF6SB09		
Program	Follow-on RI	Follow-on RI
Depth	15.8'	26.5'
Lead	2.12 f	8.34


EXPLANATION

⊕ SOIL BORING WITH I
GROUNDWATER SAM

---> STORM DRAIN WITH
CATCH BASIN

▣ SURFACES COVERED
PAVEMENT OR BUILD

NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND L
ARE INCLUDED AT THE EN
SECTION.





 **DAMES & MOORE**

**FILL SITE
CONCENTRATIONS OF LEAD I**

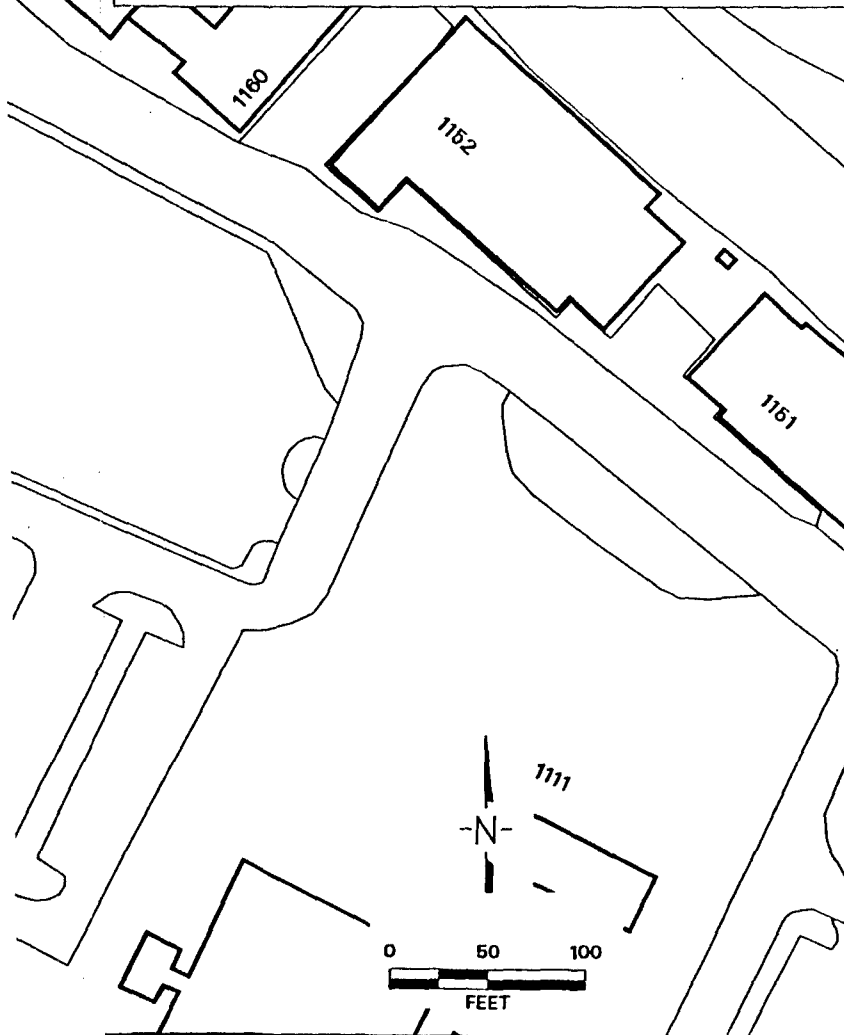
PSF26395

Date: January 1997

EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  CATCH BASIN
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



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**FILL SITE 6
 CONCENTRATIONS OF LEAD IN GROUNDWATER**

PSF26395

Date: January 1997

Figure 9.4-15

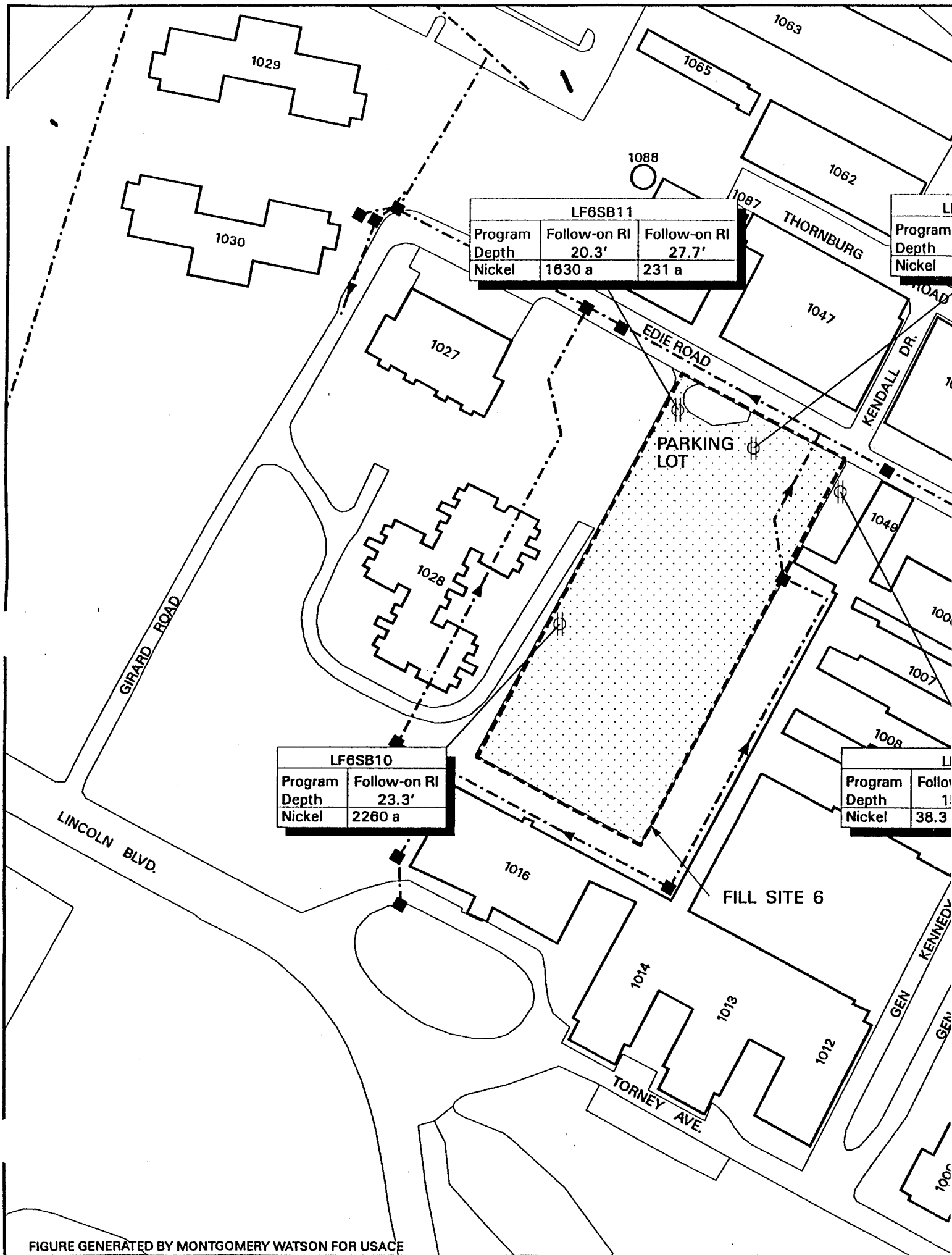





FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

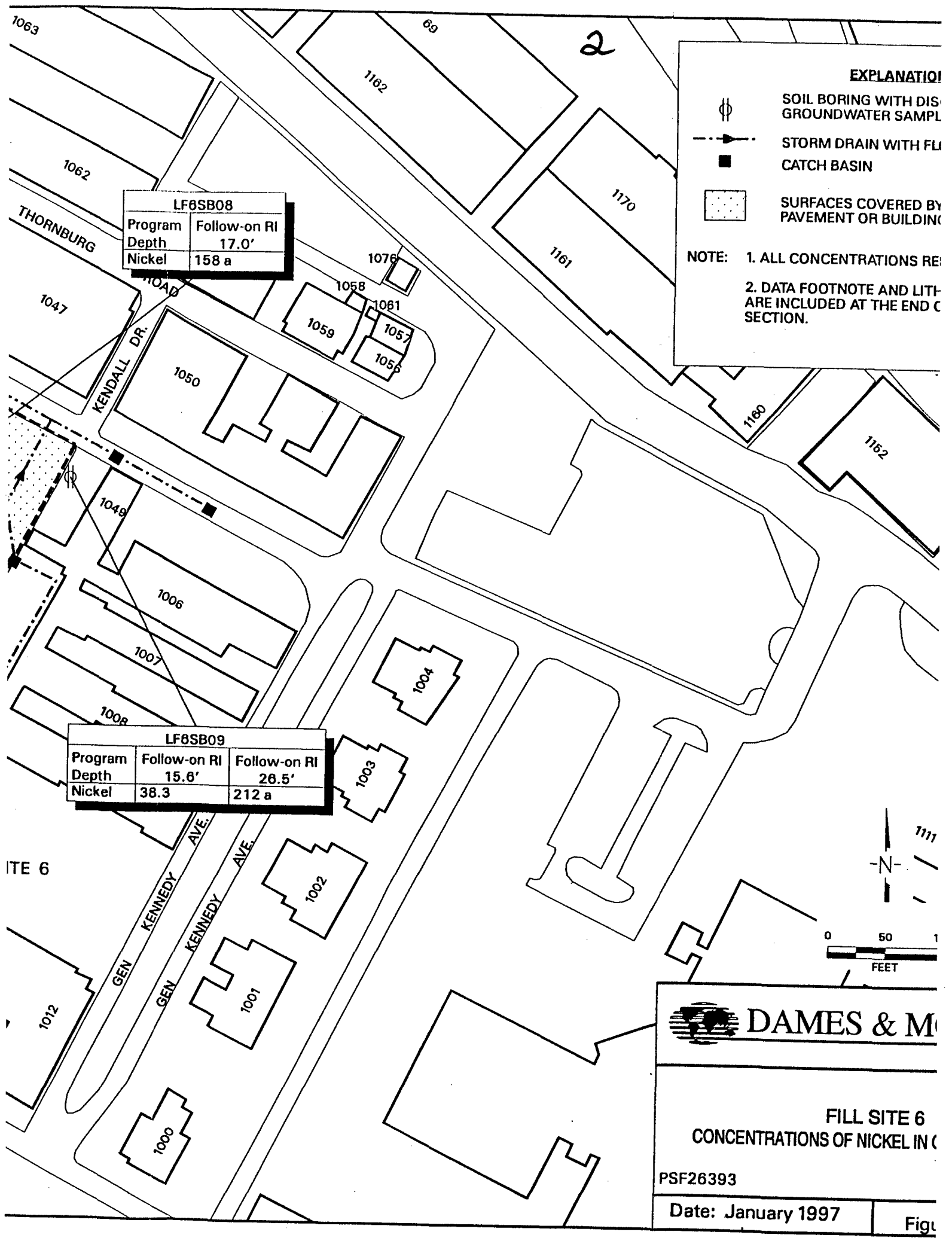
LF6SB08	
Program	Follow-on RI
Depth	17.0'
Nickel	158 a


EXPLANATION

 SOIL BORING WITH DISCHARGE GROUNDWATER SAMPLE
 STORM DRAIN WITH FLOW CATCH BASIN
 SURFACES COVERED BY PAVEMENT OR BUILDING

NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITH-
ARE INCLUDED AT THE END C
SECTION.

LF6SB09		
Program	Follow-on RI	Follow-on RI
Depth	15.6'	26.5'
Nickel	38.3	212 a



 **DAMES & MOORE**

**FILL SITE 6
CONCENTRATIONS OF NICKEL IN GROUNDWATER**

PSF26393

Date: January 1997

Fig

EXPLANATION

SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



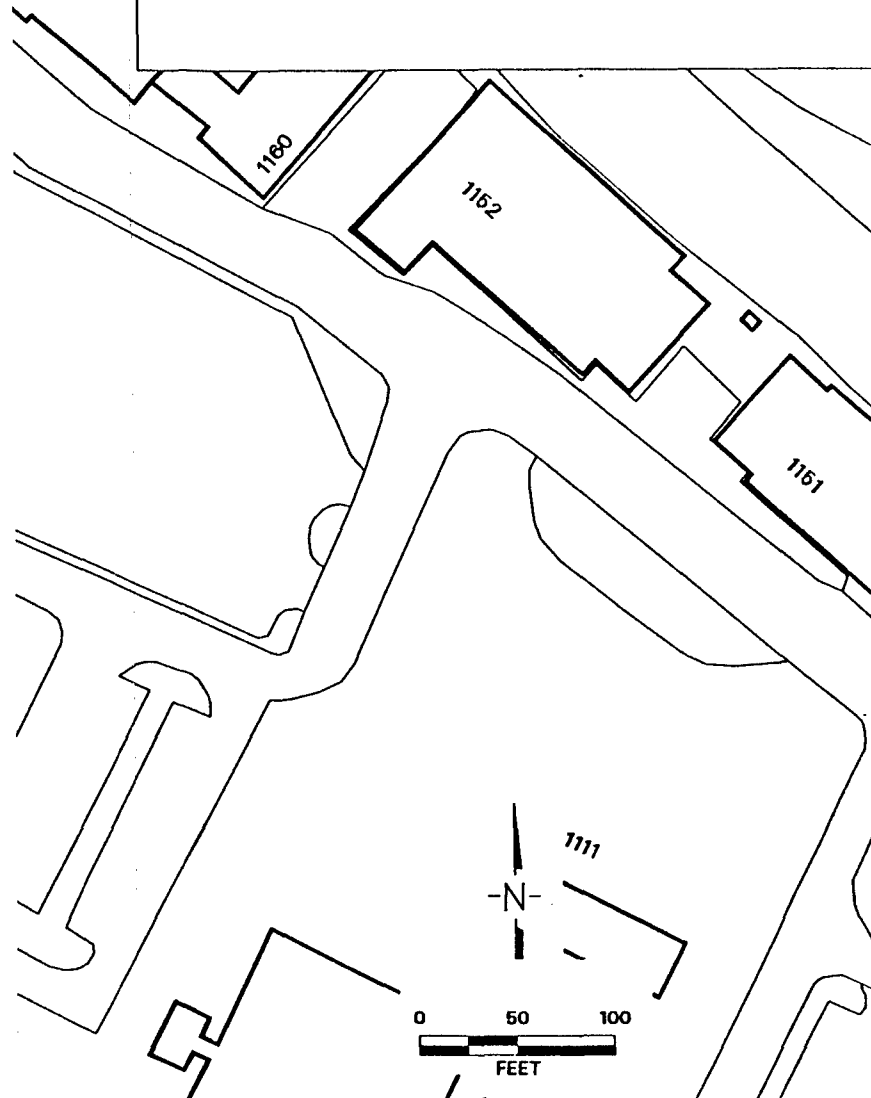
CATCH BASIN



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

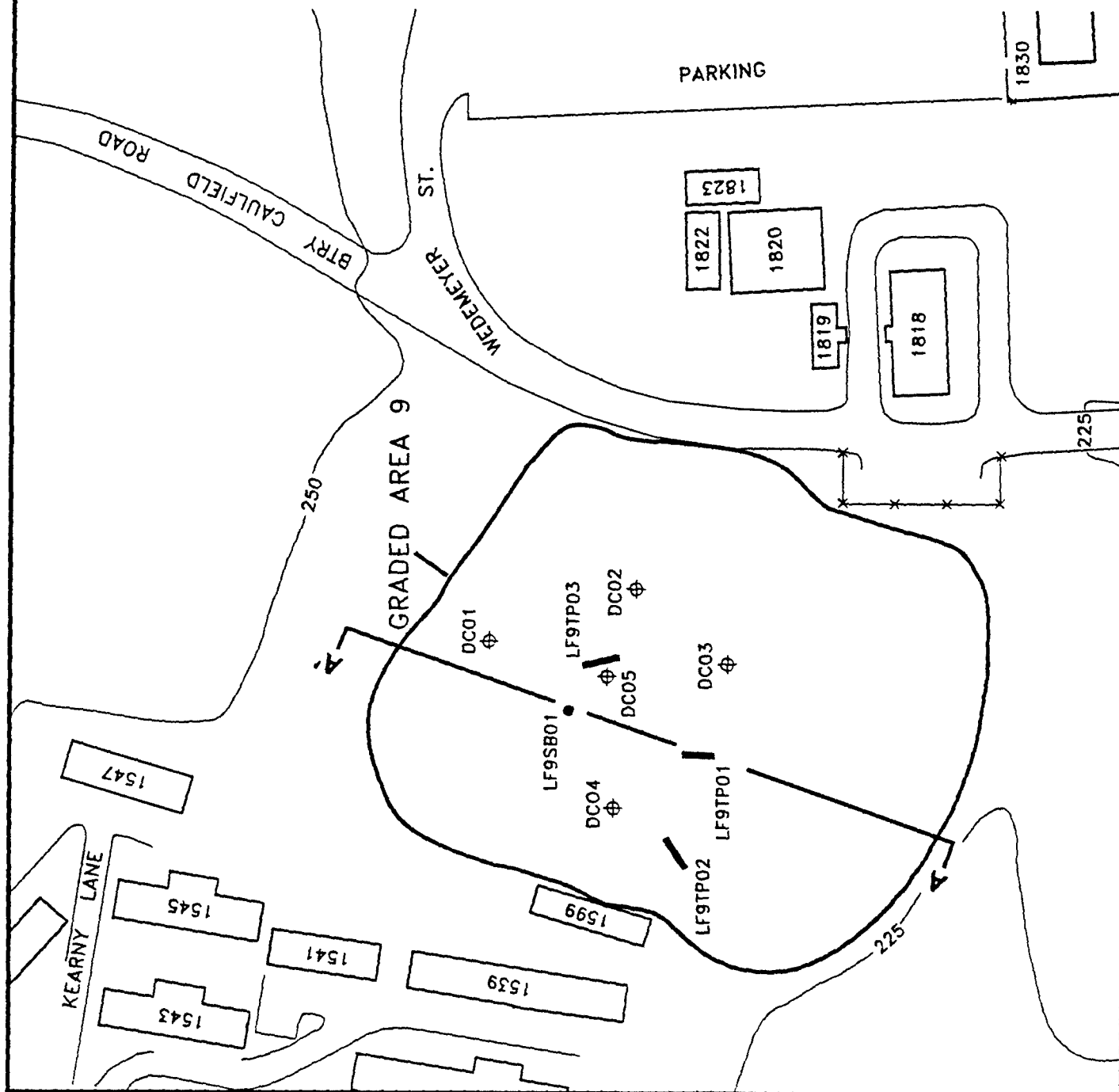
**DAMES & MOORE**

**FILL SITE 6
CONCENTRATIONS OF NICKEL IN GROUNDWATER**

PSF26393

Date: January 1997

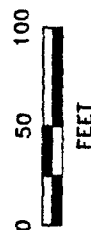
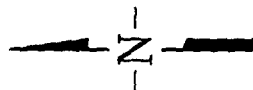
Figure 9.4-16



EXPLANATION

- TEST PIT
- SOIL BORING
- RESISTIVITY MEASUREMENT
- CROSS SECTION LOCATION
- TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET
ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



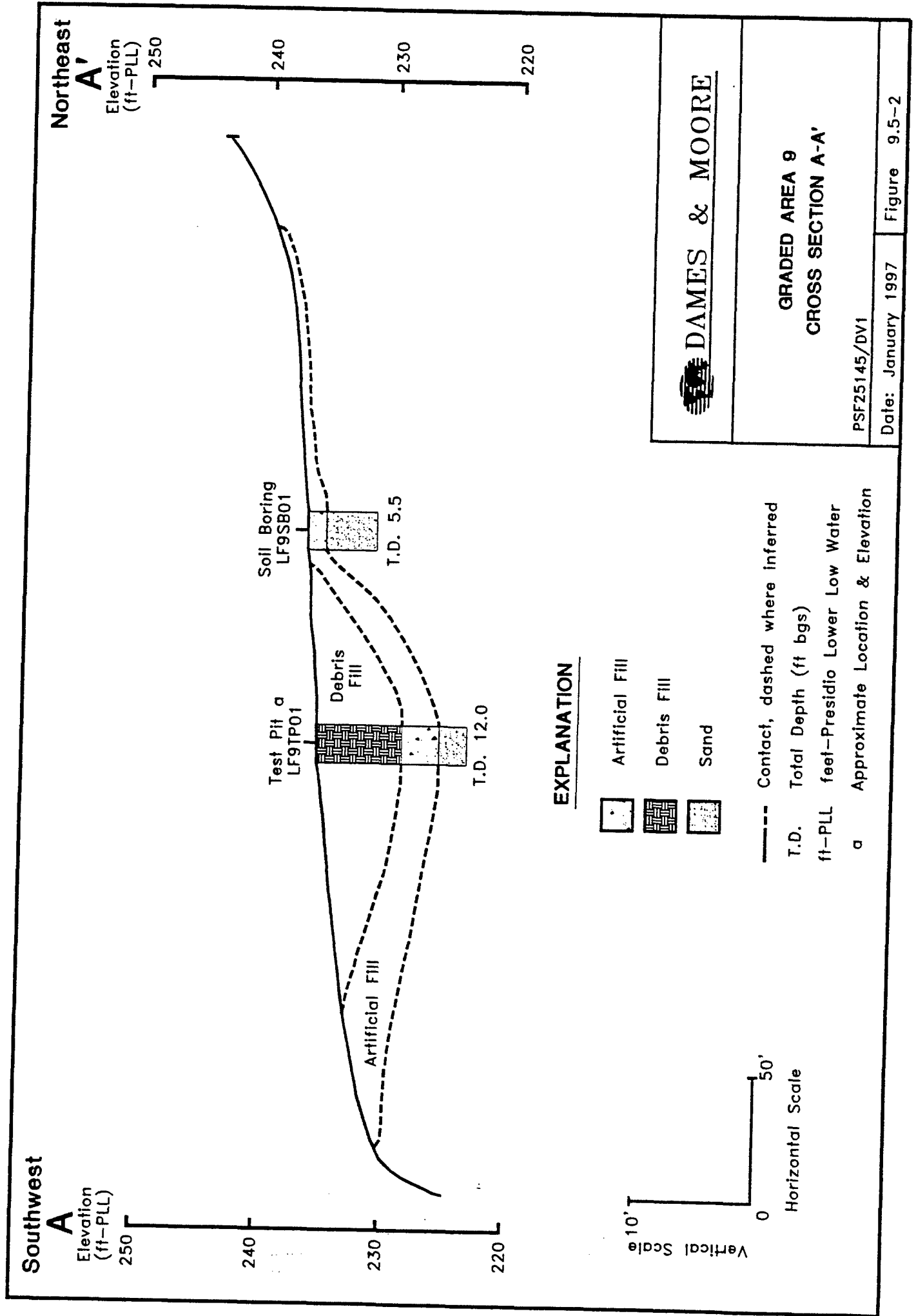
DAMES & MOORE

GRADED AREA 9 SAMPLE & CROSS SECTION LOCATIONS

PSF25144/DV1

Date: January 1997

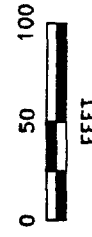
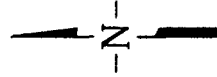
Figure 9.5--1



EXPLANATION

- (0) TEST PIT (DEBRIS FILL THICKNESS IN FEET)
- (7) SOIL BORING (DEBRIS FILL THICKNESS IN FEET)
- ⊕ RESISTIVITY MEASUREMENT
- 5 DEBRIS FILL THICKNESS CONTOUR (DASHED WHERE INFERRED)

CONTOUR INTERVAL 5 FEET

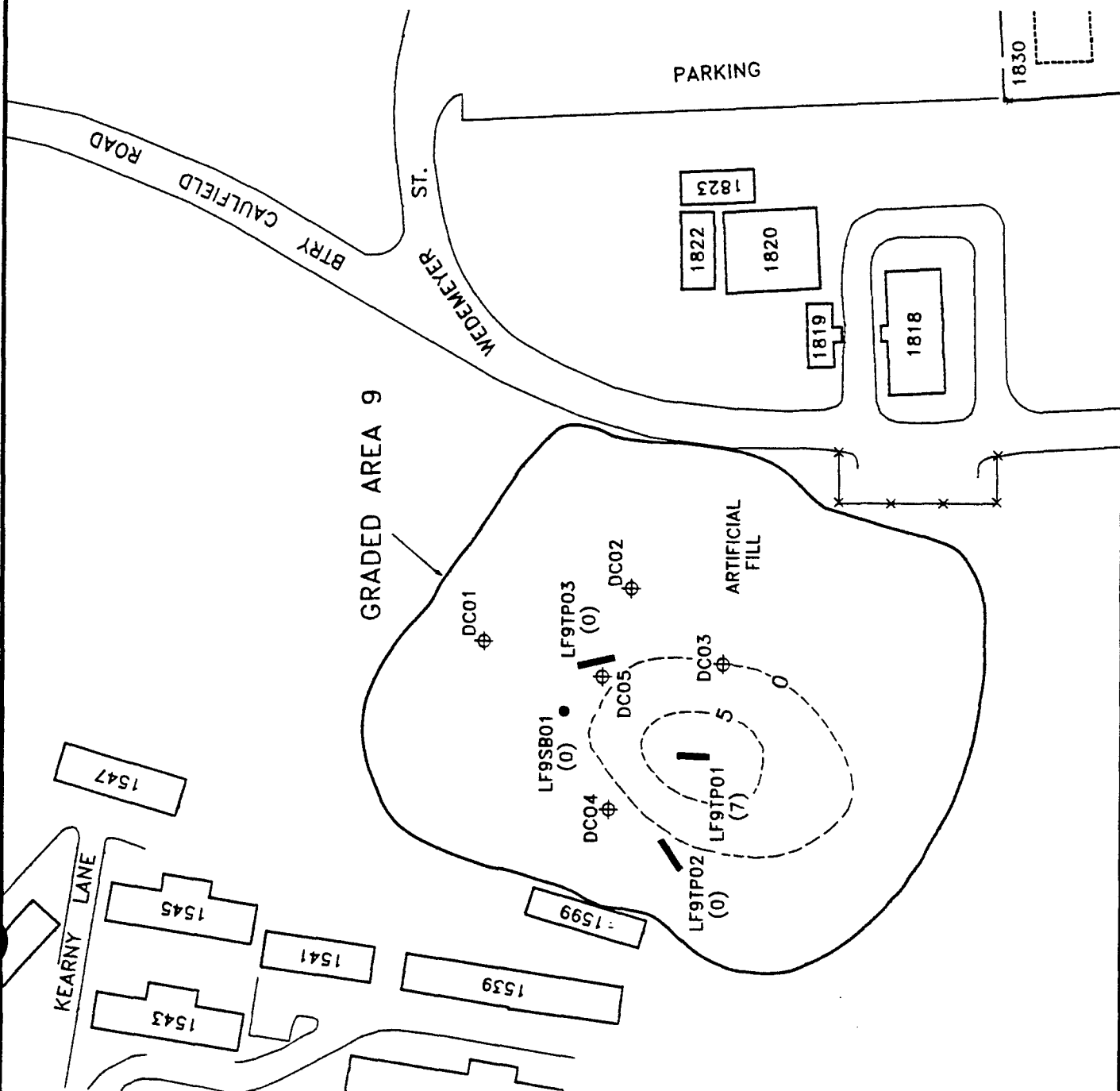


DAMES & MOORE

GRADED AREA 9 DEBRIS FILL ISOPACH

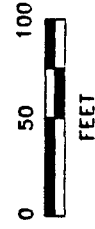
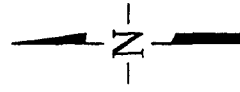
PSF25146/DV1

Date: January 1997 Figure 9.5-3



EXPLANATION

- △ SURFACE SOIL SAMPLE
- TEST PIT
- SOIL BORING
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ◆ RESISTIVITY MEASUREMENT
- A A' CROSS SECTION LOCATION
- 100— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 25 FEET
- ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

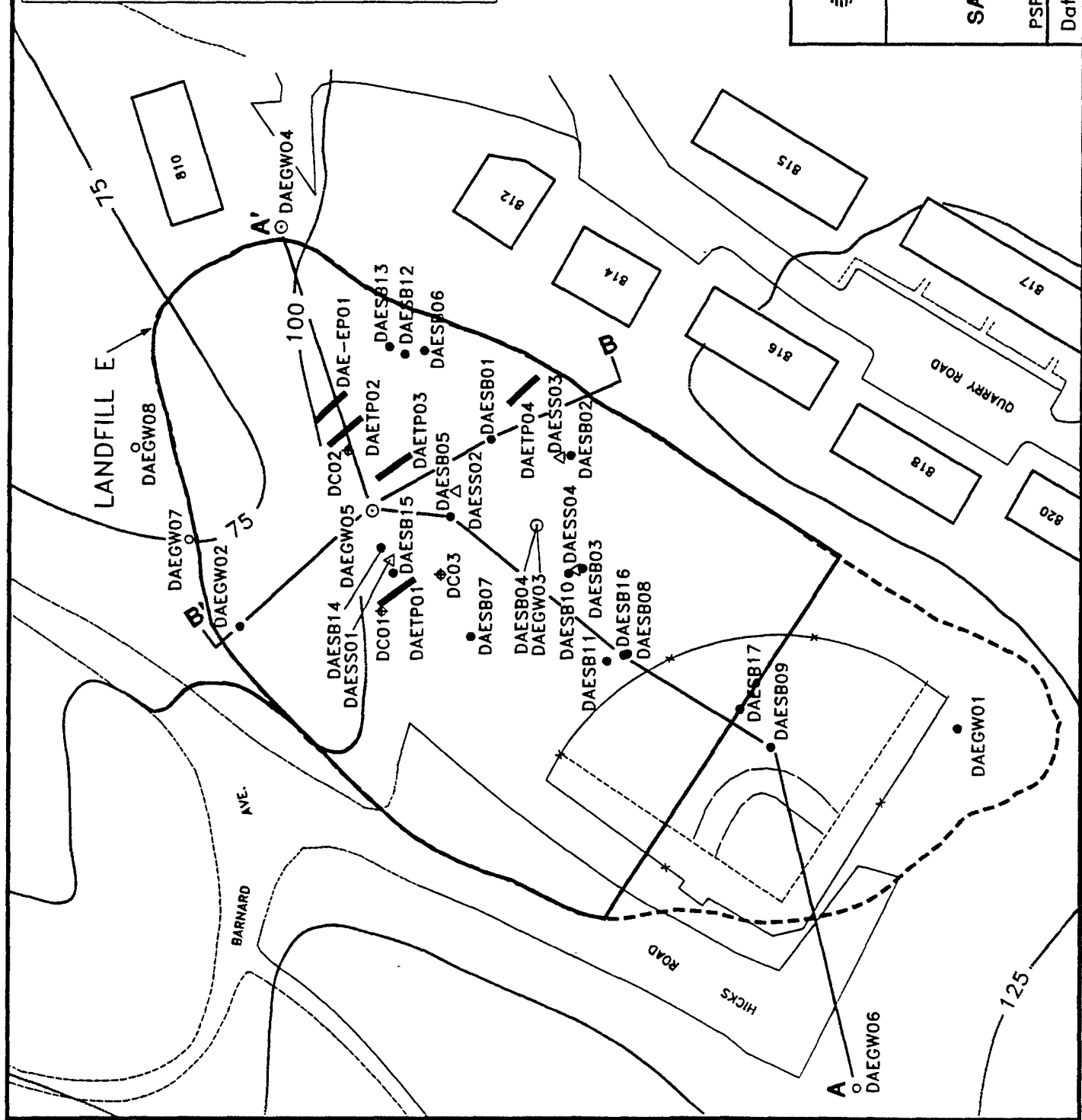


DAMES & MOORE

LANDFILL E SAMPLE & CROSS SECTION LOCATIONS

PSF25003/DV1

Date: January 1997 Figure 9.6-1



Southwest

A

Elevation
(ft-PLL)

120

100

80

60

40

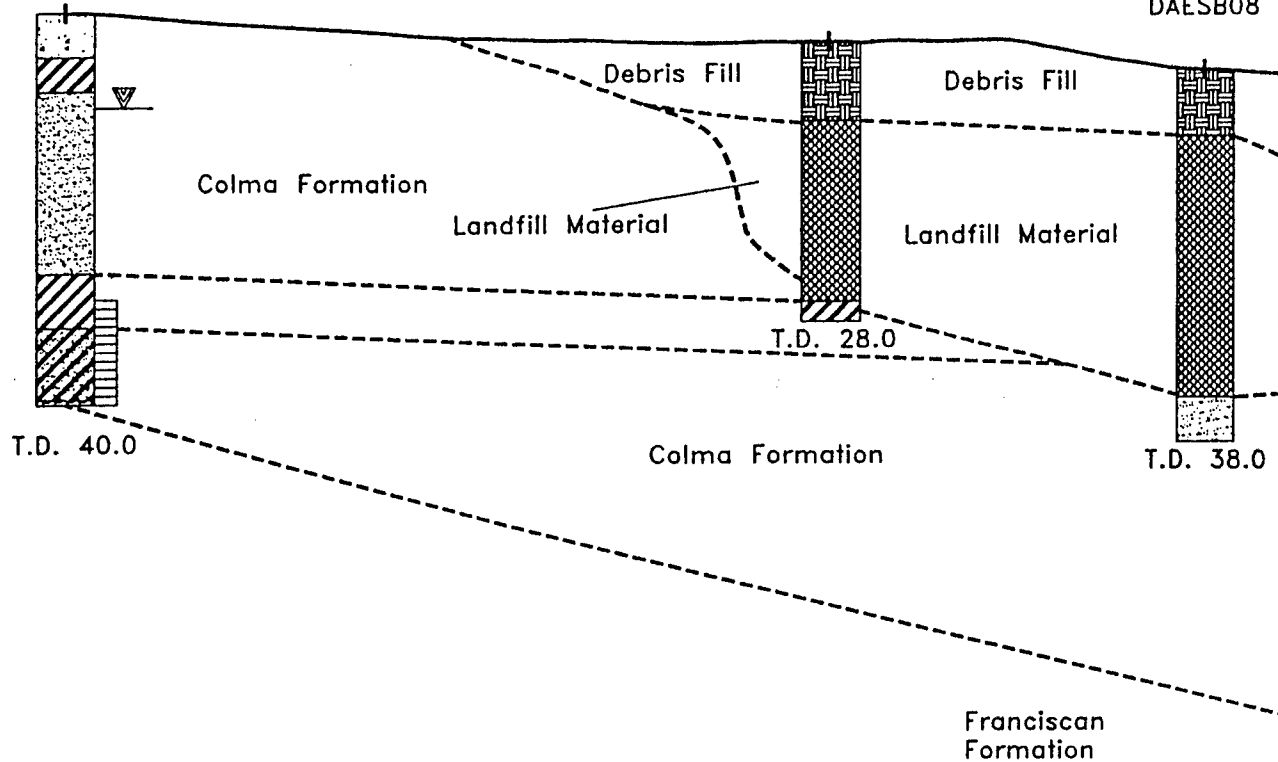
20

0

Well
DAEGW06

Soil
Boring
DAESB09

Soil
Boring
DAESB08



EXPLANATION



Artificial Fill



Landfill Material



Debris Fill



Clay



Silt



Sand



Serpentine



Contact, dashed where
inferred



Water Level (03/16/95)

T.D.

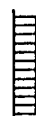
Total Depth (ft bgs)

ft-PLL

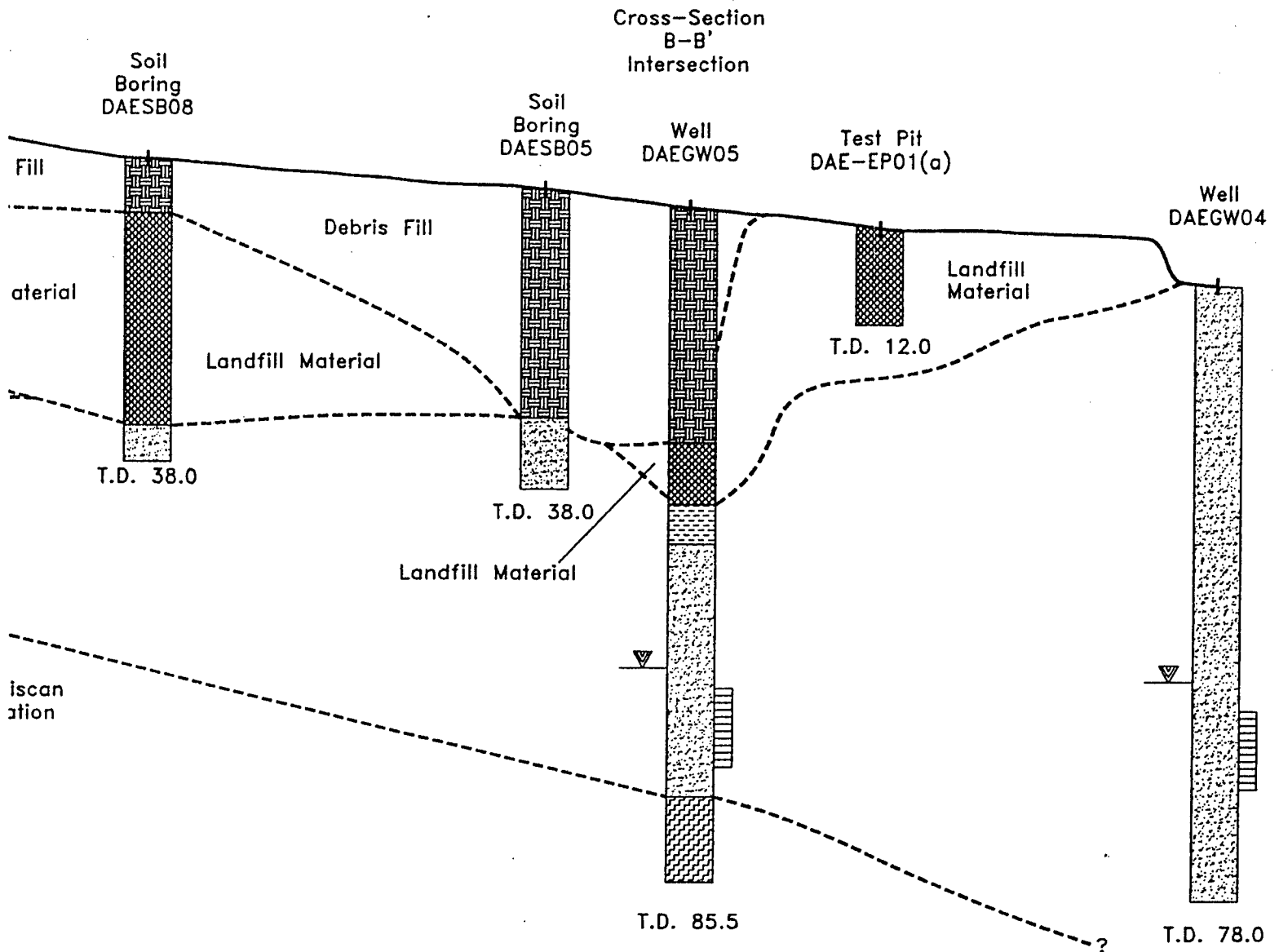
feet-Presidio Lower Low Water

(a)

Approximate Location & Elevation



Well Screen Interval



ed where

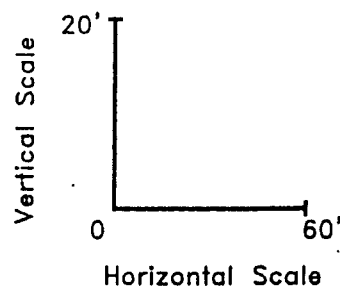
'16/95)

ings)

wer Low Water

Location & Elevation

rval

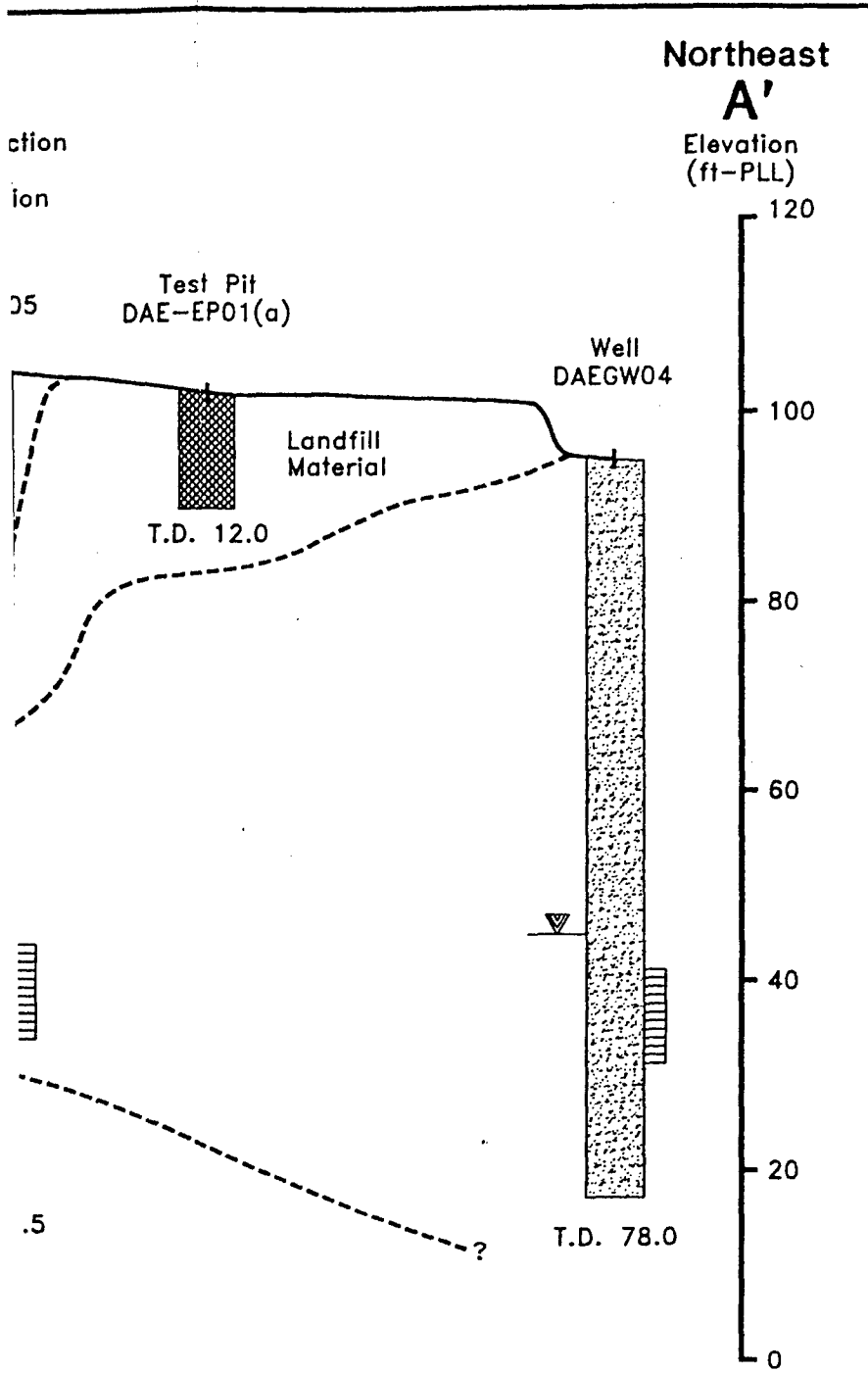

DAMES & MOORE

LANDFILL E
CROSS SECTION A-A

PSF25030/DV1

Date: January 1997

Figure 9



 DAMES & MOORE

LANDFILL E
CROSS SECTION A-A'

PSF25030/DV1

Date: January 1997

Figure 9.6-2

Southeast

B

Elevation
(ft-PLL)

110

90

70

50

30

10

Cross-Section
A-A'

Intersection

Well
DAEGW05

Soil
Boring
DAESB01

T.D. 24.5

Debris
Fill

Landfill
Material

Debris
Fill

Soil
Boring
DAEGW02

T.D. 56.5

Colma
Formation

Franciscan
Formation

T.D. 85.5

Northwest

B

Elevation
(ft-PLL)

110

90

70

50

30

10

EXPLANATION



Artificial Fill



Landfill Material



Debris Fill



Clay



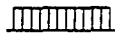
Silt



Sand



Serpentinite



Well Screen Interval

20'

Vertical Scale

0

Horizontal Scale

100'

Contact, dashed where
inferred

Water Level (03/16/95)

T.D. Total Depth (ft bgs)

ft-PLL feet-Presidio Lower Low Water

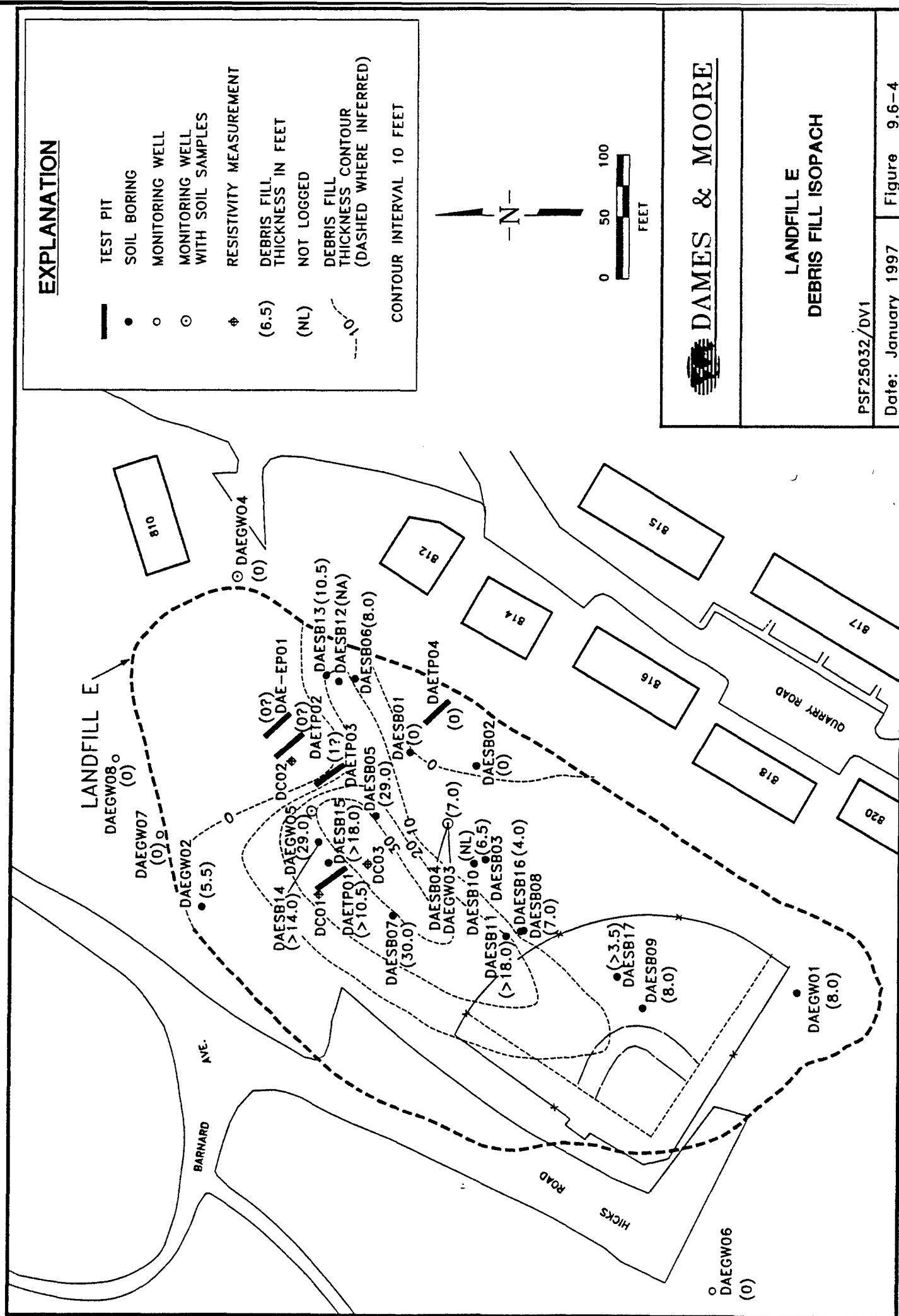
DAMES & MOORE

**LANDFILL E
CROSS SECTION B-B'**

PSF25031\DV1

Date: January 1997

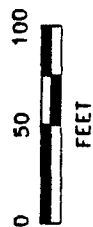
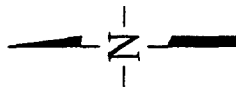
Figure 9.6-3



EXPLANATION

- TEST PIT
- SOIL BORING
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⦿ RESISTIVITY MEASUREMENT
- (13) LANDFILL MATERIAL THICKNESS IN FEET
- (NL) NOT LOGGED
- - - LANDFILL MATERIAL THICKNESS CONTOUR (DASHED WHERE INFERRED)

CONTOUR INTERVAL 10 FEET



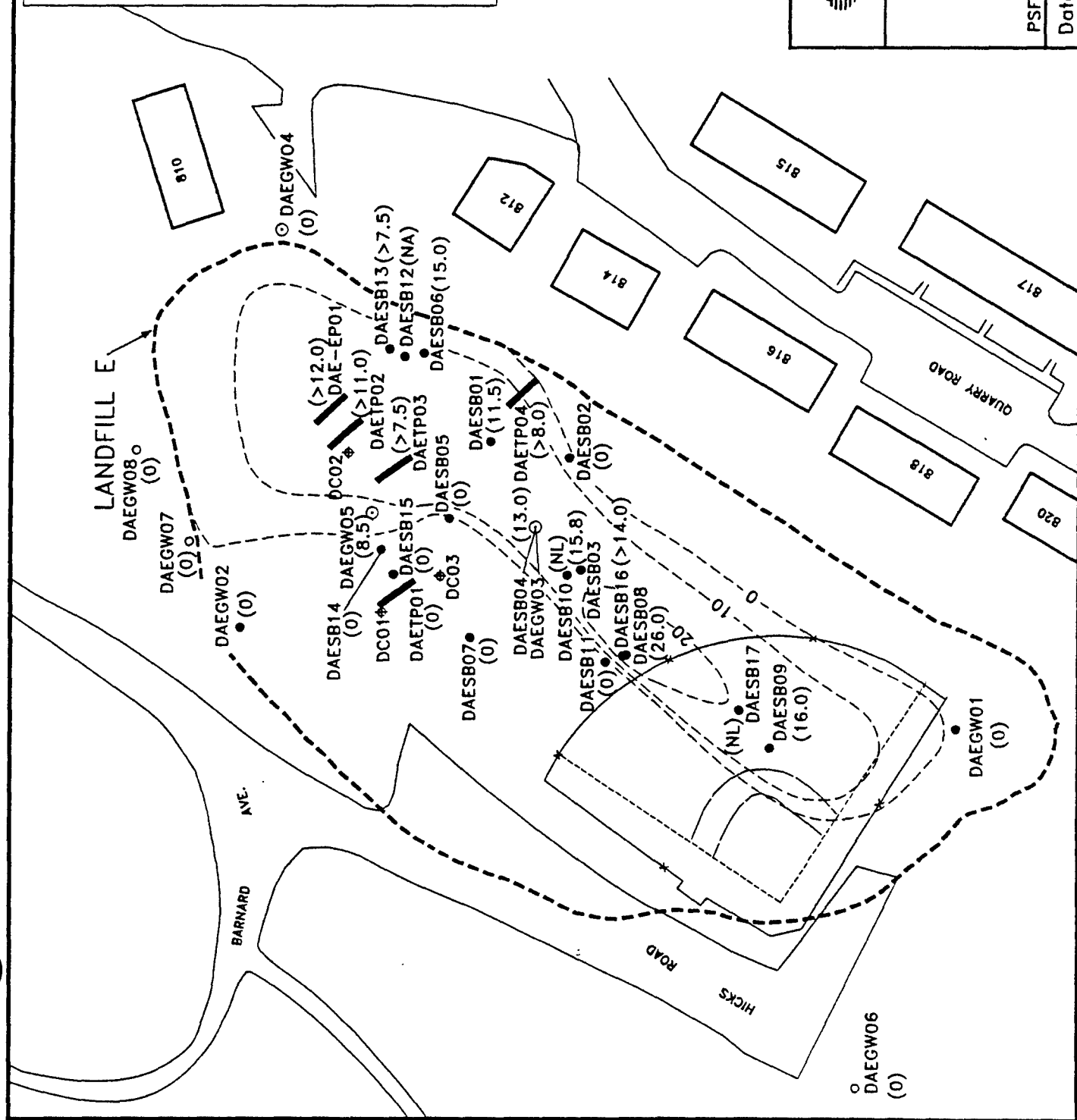
DAMES & MOORE

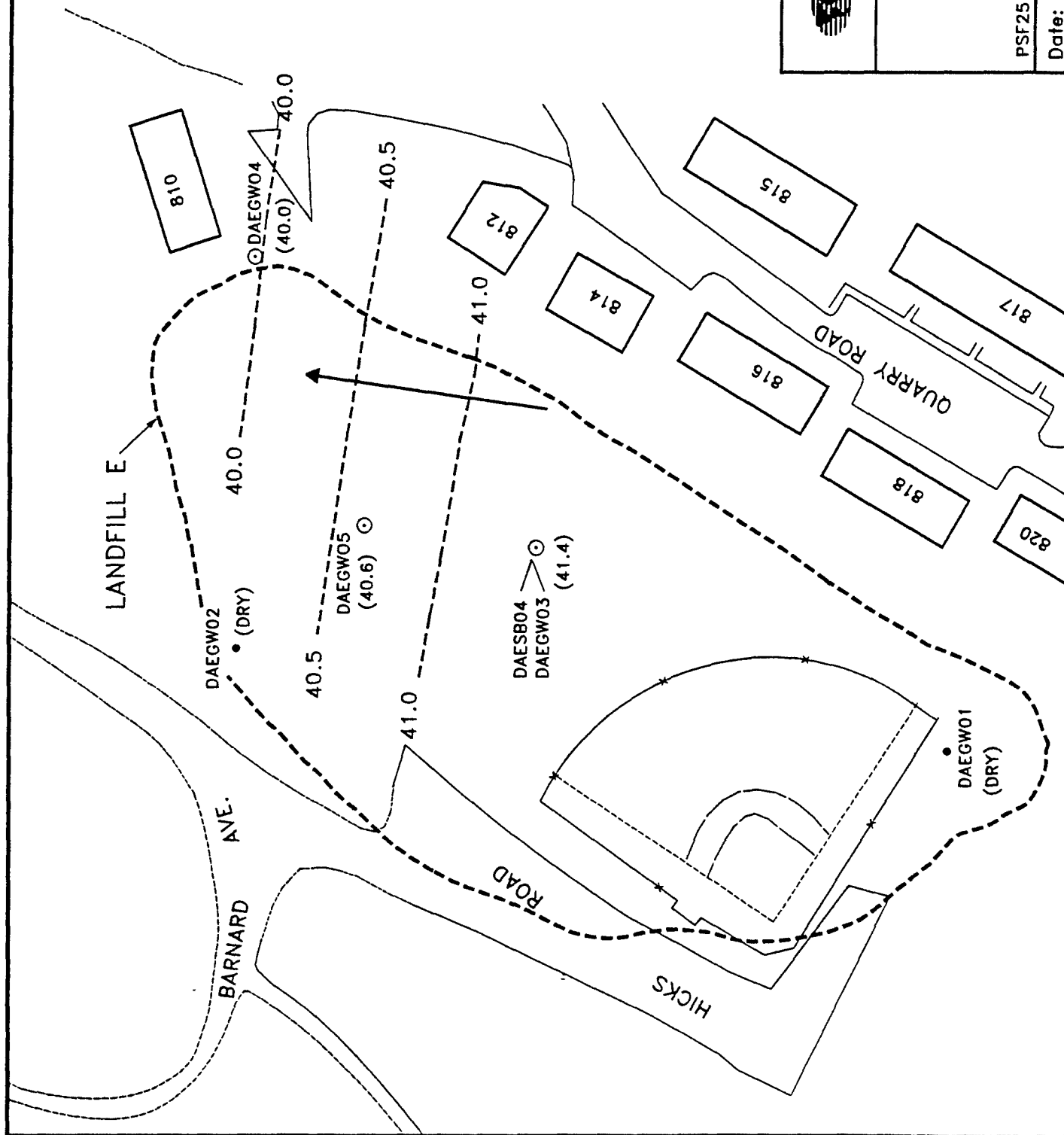
**LANDFILL E
LANDFILL MATERIAL ISOPACH**

PSF25033/DV1

Date: January 1997

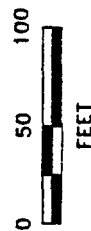
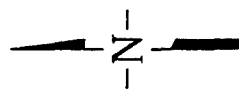
Figure 9.6-5





EXPLANATION

- SOIL BORING
- ⊙ MONITORING WELL
POTENTIOMETRIC SURFACE
ELEVATION (10/29/92)
- 40.0- (DASHED WHERE INFERRED)
- GROUNDWATER FLOW
DIRECTION
- CONTOUR INTERVAL 0.5 FEET
- ELEVATIONS IN
FEET-PRESIDIO LOWER LOW WATER



DAMES & MOORE

**LANDFILL E
POTENTIOMETRIC SURFACE MAP
OCTOBER 1992**

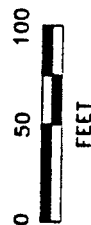
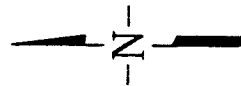
PSF25108/DV1

Date: January 1997

Figure 9.6-6

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- (45.6) POTENTIOMETRIC SURFACE ELEVATION (03/16/95)
- a PERCHED WATER TABLE
- c PERCHED WATER TABLE
- EQUIPOTENTIAL CONTOUR, (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL 5 FEET
- ELEVATIONS IN FEET-PRESIDIO LOWER LOW WATER



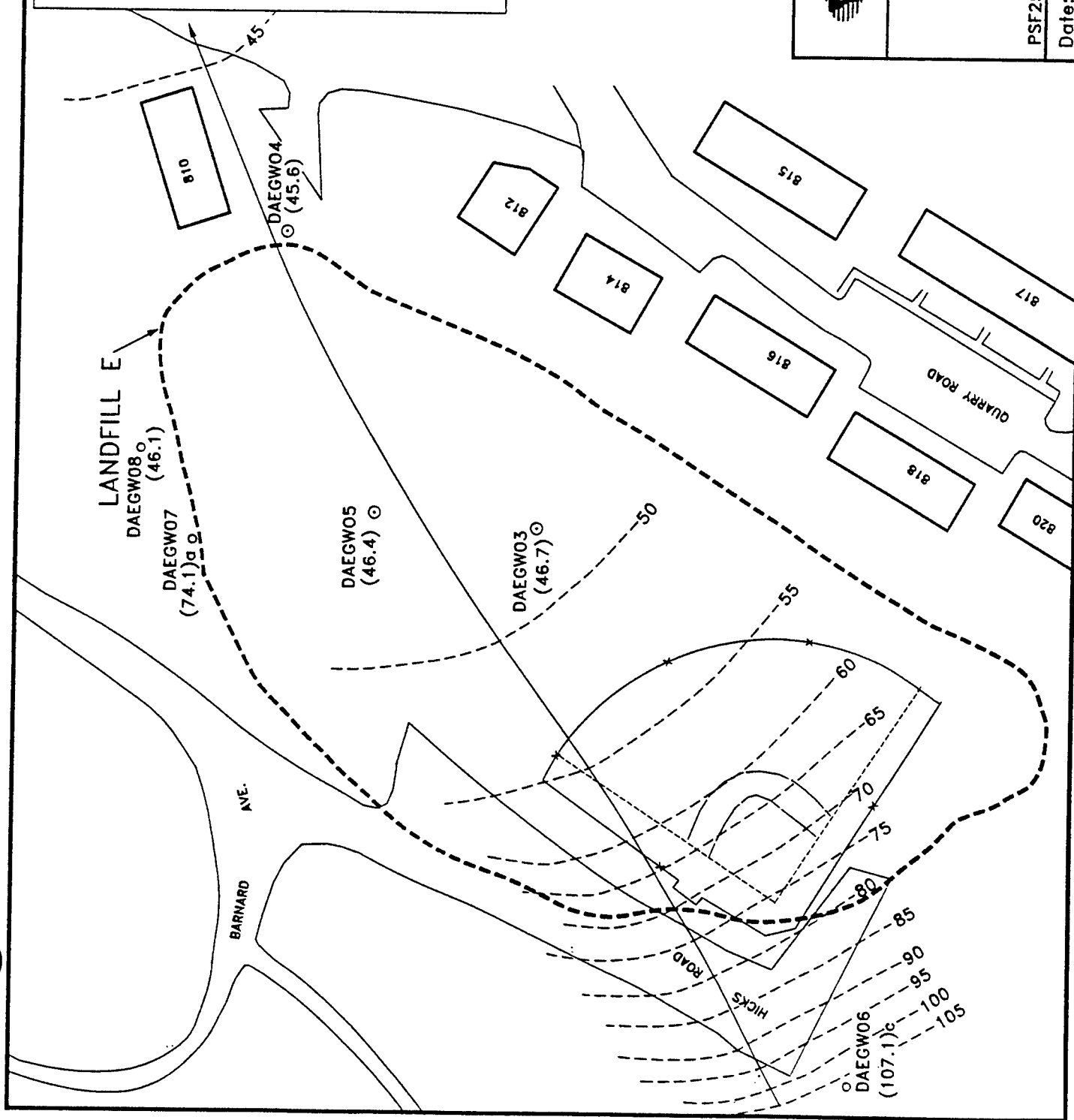
DAMES & MOORE

**LANDFILL E
POTENTIOMETRIC SURFACE MAP
MARCH 1995**

PSF25066/DV1

Date: January 1997

Figure 9.6-7



BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Aluminum	25900 a	16100

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Aluminum	8200.000 a	13000.000 a

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Aluminum	24888.689	

DEPTH	
LITHOLOGY	
Aluminum	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	8480

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Aluminum	18609.432

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Aluminum	10300	9480

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	13100

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Aluminum	6100	6800

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	10100

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Aluminum	7800	14000

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Aluminum	8630	14500

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Aluminum	14000.000	9900.000

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

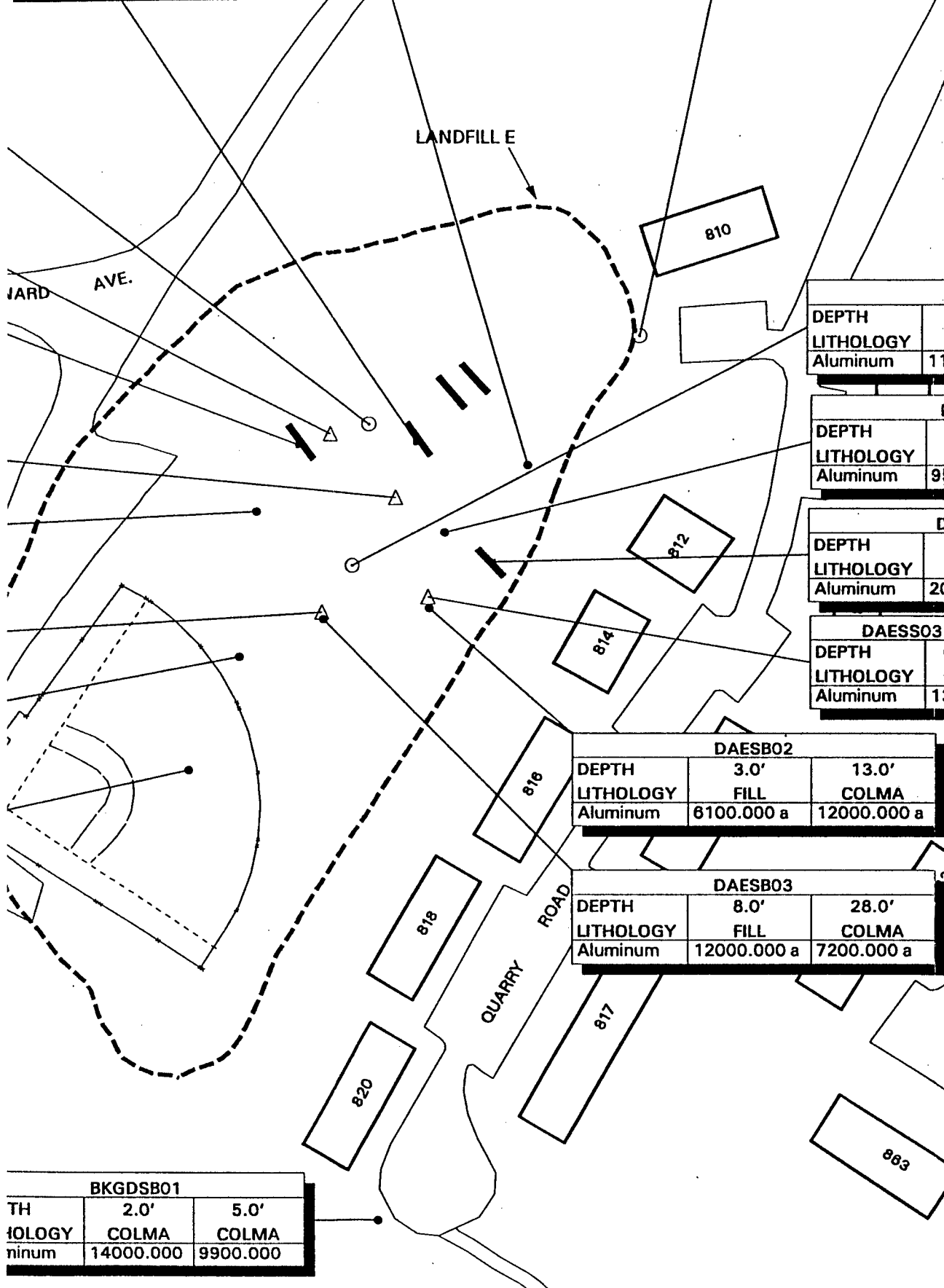
DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Aluminum	24888.689	

DAESB08		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Aluminum	11000	11000

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Aluminum	9300.000 a	9100.000 a

△ SURFAC
 • SOIL BC
 ○ MONITC
 SAMPLI
 — TEST PI

NOTES: 1. ALL CONC
 2. DATA FOO
 ARE INCLUDI
 SECTION.



DAESB04		
DEPTH	3.0'	5.0'
LITHOLOGY	FILL	FILL
Aluminum	11000.000 a	11000

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Aluminum	9500.000 a	7200.000

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Aluminum	20581.490	12849.024

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	13800

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Aluminum	6100.000 a	12000.000 a

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Aluminum	12000.000 a	7200.000 a

BKGDSB01		
TH	2.0'	5.0'
IOLOGY	COLMA	COLMA
nium	14000.000	9900.000



CONCENTRATI
 PSF26399
 Date: January 1

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

04	8.0'
COLMA	
9100.000 a	

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Aluminum	11000.000 a	11000	8700.000 a

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Aluminum	9500.000 a	7200.000

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Aluminum	20581.490	12849.024

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Aluminum	13800

SB02	
13.0'	
COLMA	
12000.000 a	

SB03	
28.0'	
COLMA	
7200.000 a	



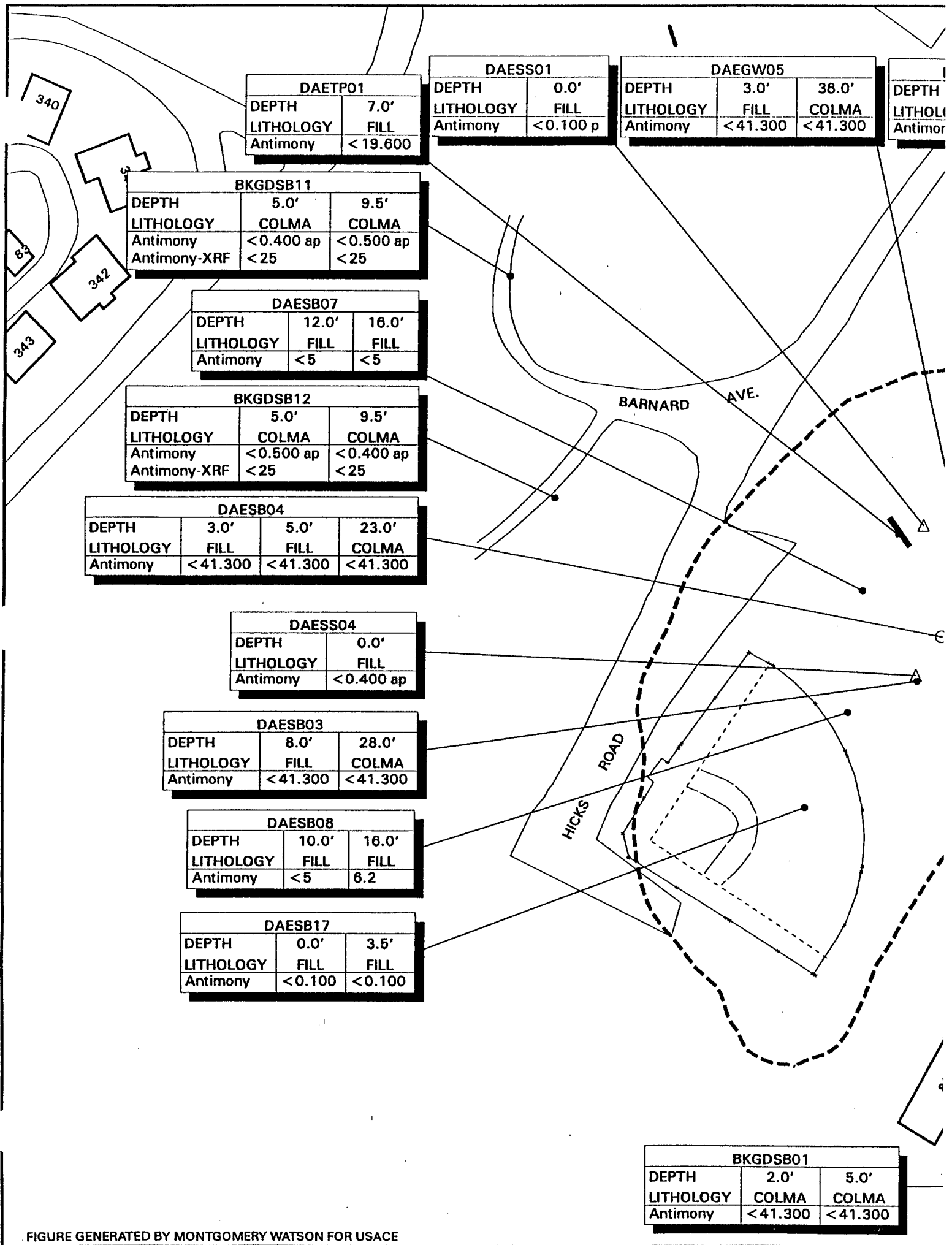
DAMES & MOORE

LANDFILL E CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26399

Date: January 1997

Figure 9.6-8



05	38.0'
00	COLMA
	<41.300

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.100 p

DAETP03	
DEPTH	7.0'
LITHOLOGY	FILL
Antimony	<19.600

2

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LIT-
ARE INCLUDED AT THE END C
SECTION.

LANDFILL E

810

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Antimony	<41.300	<41.300

DAESB08		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Antimony	5.6	<5

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Antimony	<19.600	<19.600

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Antimony	<0.400 ap

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Antimony	<41.300	<41.300

854

856

QUARRY ROAD

820

818

817

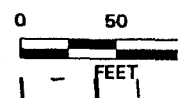
814

812

864

863

3DSB01	
2.0'	5.0'
COLMA	COLMA
<41.300	<41.300



LANDFILL /
CONCENTRATIONS OF AN

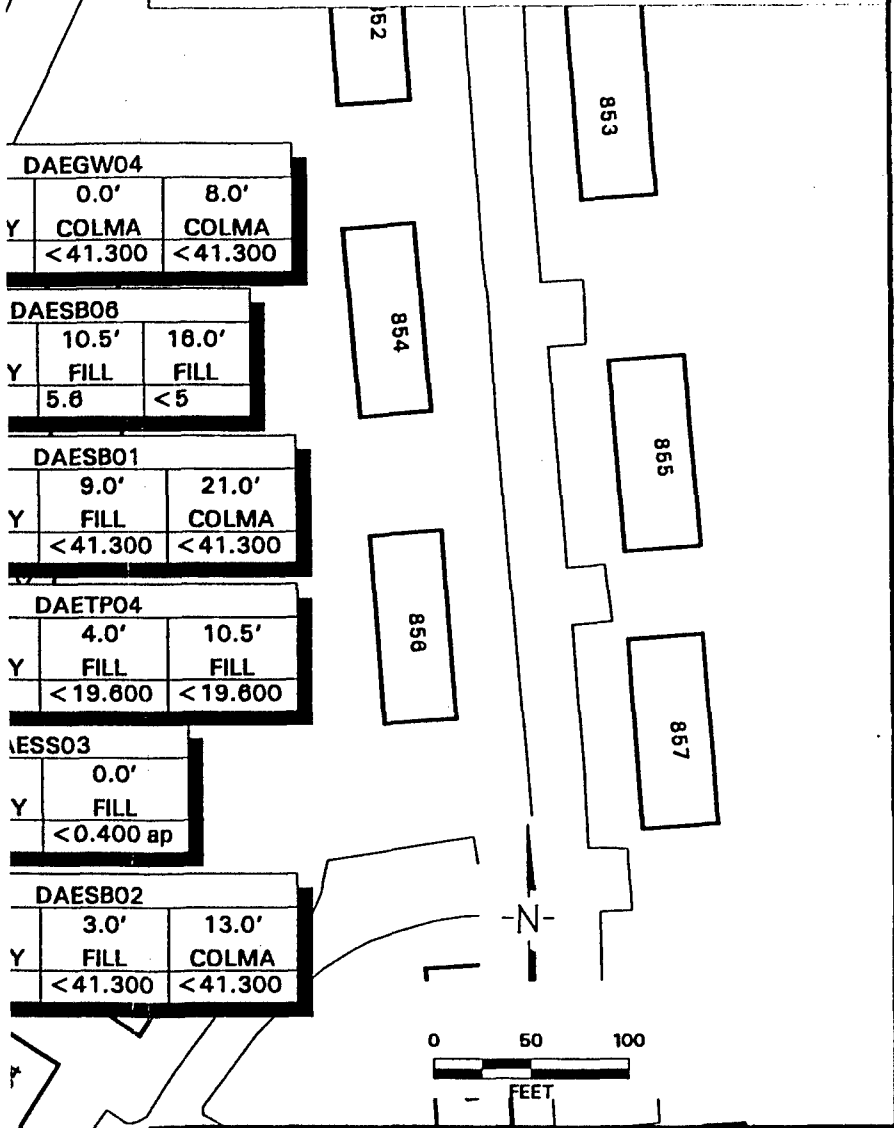
PSF26416

Date: January 1997 F

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF ANTIMONY IN SOIL

PSF26416

Date: January 1997

Figure 9.6-9

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Arsenic	<2.50 a	<2.50 a

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Arsenic	3.840	3.870

DAETP03		DEPTH
DEPTH	7.0'	
LITHOLOGY	FILL	
Arsenic	3.716	

DEPTH	
LITHOLOGY	
Arsenic	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	<1.25 a

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Arsenic	3.254

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Arsenic	<2.50 a	<2.50 a

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	<1.25 a

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Arsenic	2.4	1.8

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	<1.25 a

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Arsenic	6.5 a	4.2 a

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Arsenic	<1.25 a	<1.25 a

BARNARD AVE.

HICKS ROAD





BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Arsenic	5.000	3.270

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Arsenic	3.718	

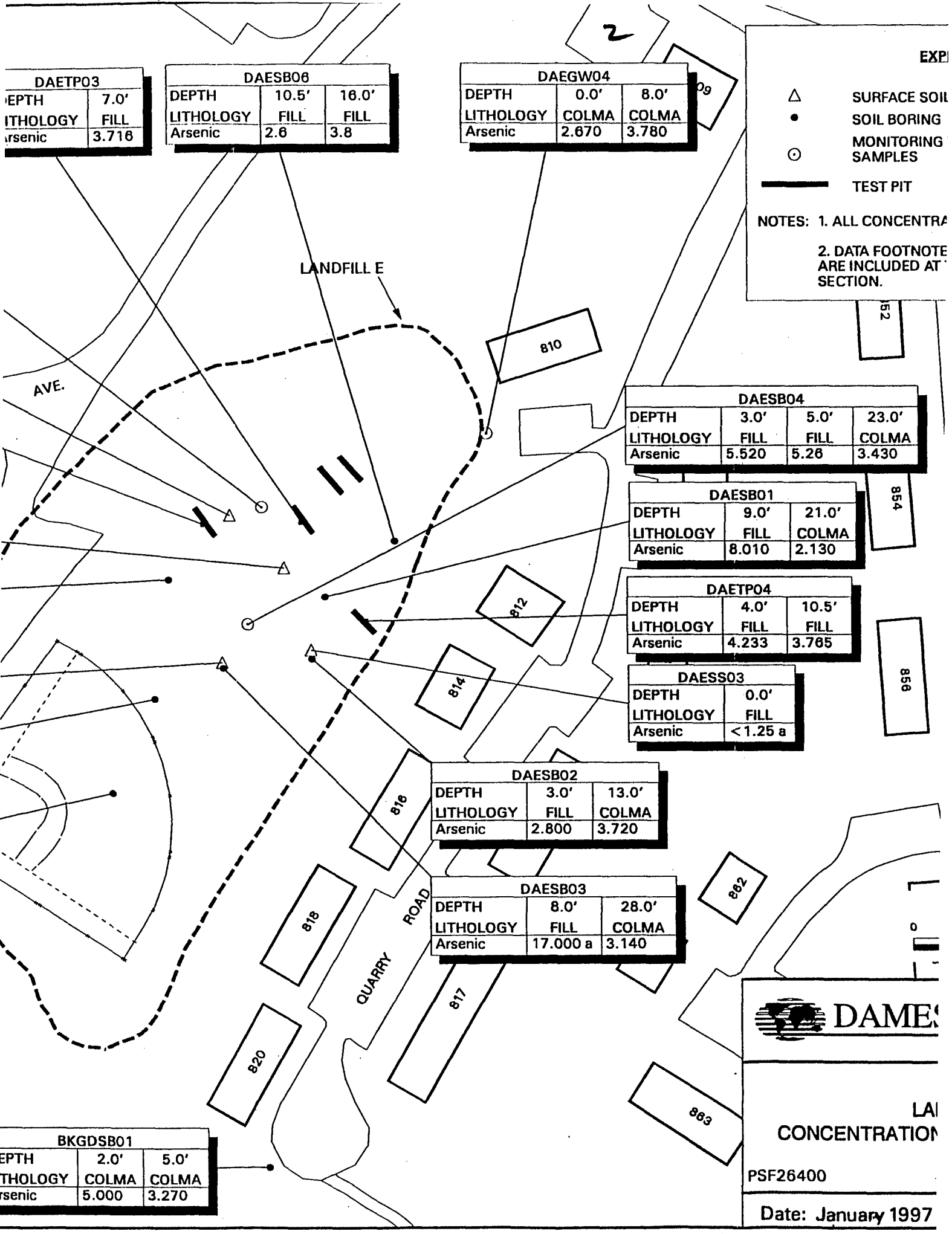
DAESB06		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Arsenic	2.6	3.8

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Arsenic	2.670	3.780

EXP

 SURFACE SOIL
 SOIL BORING
 MONITORING SAMPLES
 TEST PIT

NOTES: 1. ALL CONCENTRATIONS ARE IN MG/KG
2. DATA FOOTNOTES ARE INCLUDED AT THE END OF EACH SECTION.



BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Arsenic	5.000	3.270

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Arsenic	2.800	3.720


DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Arsenic	17.000 a	3.140

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Arsenic	5.520	5.26	3.430

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Arsenic	8.010	2.130

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Arsenic	4.233	3.765

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	< 1.25 a

 DAMES

LA
CONCENTRATION

PSF26400

Date: January 1997

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Arsenic	5.520	5.26	3.430

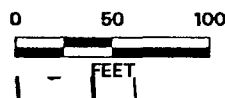
DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Arsenic	8.010	2.130

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Arsenic	4.233	3.765

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Arsenic	< 1.25 a

13.0'
COLMA
720

28.0'
COLMA
1.140



LANDFILL E CONCENTRATIONS OF ARSENIC IN SOIL

PSF26400

Date: January 1997

Figure 9.6-10

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Barium	121	83.2

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	112

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Barium	228.096

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Barium	36.9	43.7

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	150

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Barium	26	43

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	101

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Barium	2000	270

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Barium	97.1	139





DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Barium	80.100	82.200

DAETP03	
DEPTH	7.0'
LITHOLOGY	FILL
Barium	851.940

DEPTH	
LITHOLOGY	
Barium	

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Barium	100.000	58.600

EXI

	SURFACE SO
	SOIL BORING
	MONITORING SAMPLES
	TEST PIT

NOTES: 1. ALL CONCENTR

2. DATA FOOTNOT
ARE INCLUDED AT
SECTION.

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Barium	229.000	195	28.900

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Barium	347.000	54.500

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Barium	287.342	670.182

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	138

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Barium	40.100	49.600

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Barium	2510.000	29.400

BKGDSB01		
PTH	2.0'	5.0'
HOLOGY	COLMA	COLMA
ium	100.000	58.600



LA CONCENTRATIO

PSF26402

Date: January 1997

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

8.0'
COLMA
13.800 f

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Barium	229.000	195	28.900

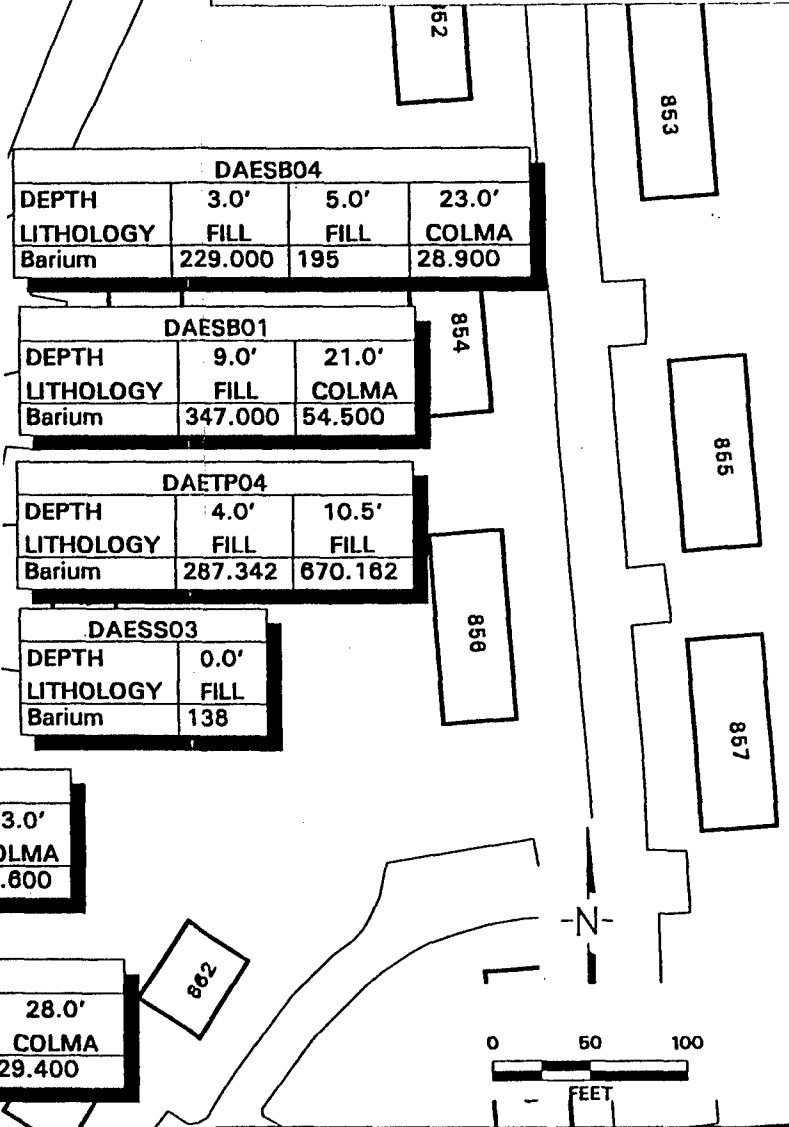
DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Barium	347.000	54.500

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Barium	287.342	670.182

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Barium	138

3.0'
COLMA
.600

28.0'
COLMA
29.400



LANDFILL E CONCENTRATIONS OF BARIUM IN SOIL

PSF26402

Date: January 1997

Figure 9.6-11

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Beryllium	0.681	0.406

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Beryllium	<0.500	<0.500

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Beryllium	0.567	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Beryllium	0.399

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Beryllium	0.519

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Beryllium	0.251	0.256

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Beryllium	0.713

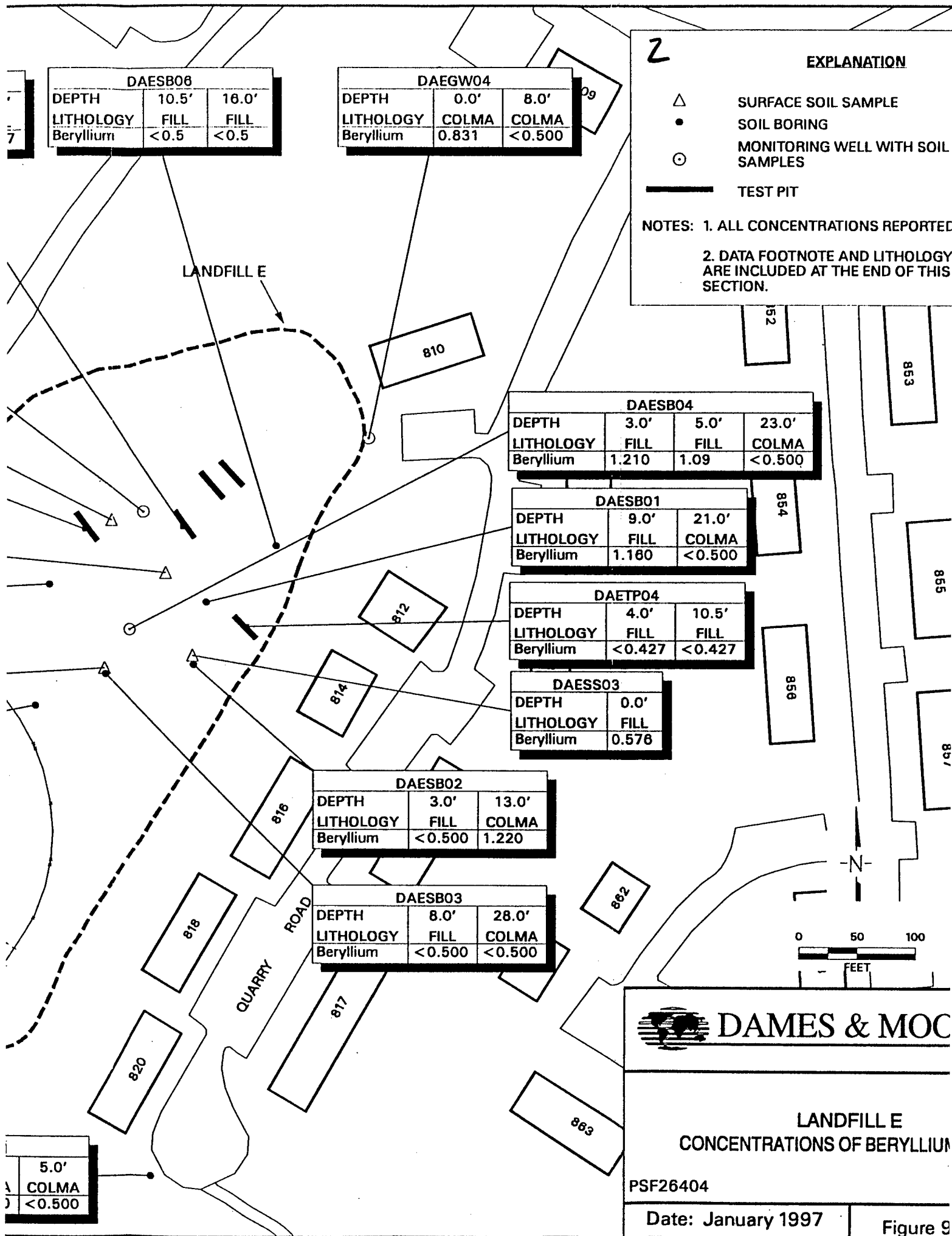
DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Beryllium	<0.5	<0.5

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Beryllium	0.426

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Beryllium	<0.5	<0.5

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Beryllium	0.357	0.576

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Beryllium	<0.500	<0.500



EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ○ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04

TH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Beryllium	1,210	1.09	<0.500

DAESB01

TH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Beryllium	1,180	<0.500

DAETP04

TH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Beryllium	<0.427	<0.427

DAESS03

TH	0.0'
LITHOLOGY	FILL
Beryllium	0.576

0 50 100
FEET



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26404

Date: January 1997

Figure 9.6-12

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Cadmium	<0.800	<0.800

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Cadmium	<0.515	<0.515

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Cadmium	<1.200	

DEPTH	
LITHOLOG	
Cadmium	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Cadmium	<0.800

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Cadmium	<1.200

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Cadmium	<0.800	<0.800

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Cadmium	<0.800

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Cadmium	<0.5	<0.5

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Cadmium	<0.800

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Cadmium	8	<0.5

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Cadmium	<0.800	<0.800

BARNARD AVE.

HICKS ROAD

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Cadmium	<0.515	<0.515

ETP03		
	7.0'	
3Y	FILL	
	<1.200	

DAESB06		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Cadmium	<0.5	<0.5

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Cadmium	<0.515	<0.515

2

EXPLANAT

- △ SURFACE SOIL SAMPLING
 • SOIL BORING
 ○ MONITORING WELL
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS

2. DATA FOOTNOTE AND LOCATION ARE INCLUDED AT THE END OF THE SECTION.

LANDFILL E

810

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Cadmium	0.964	1.23	0.740

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Cadmium	2.060	<0.515

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Cadmium	<1.200	<1.200

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Cadmium	<0.800

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Cadmium	<0.515	0.757

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Cadmium	17.100	<0.515

QUARRY ROAD

820

818

817

816

814

812

856

854

852

862

863

BKGDSB01		
	2.0'	5.0'
Y	COLMA	COLMA
	<0.515	<0.515



DAMES &

LANDFILL
CONCENTRATIONS OF (

PSF26405

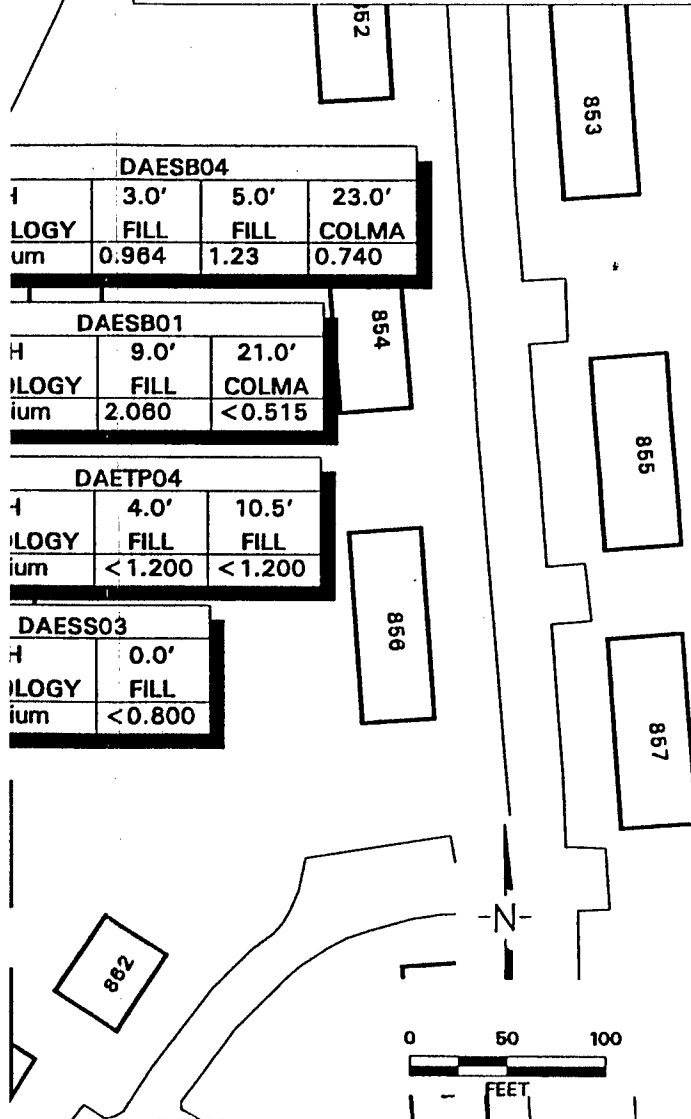
Date: January 1997

0 50
FEET

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

**LANDFILL E
CONCENTRATIONS OF CADMIUM IN SOIL**

PSF26405

Date: January 1997

Figure 9.6-13

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Chromium	78.3 n	943 n

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Chromium	43.800	300.000

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Chromium	80.078	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Chromium	84.8

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Chromium	71.631

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Chromium	51.8 n	64.6 n

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Chromium	37.3

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Chromium	45	37

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Chromium	68.7

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Chromium	48	60

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Chromium	69.9	67.8

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Chromium	100.000	90.200

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAESB06			
DEPTH	7.0'	10.5'	16.0'
LITHOLOGY	FILL	FILL	FILL
Chromium	80.078	66	56

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Chromium	59.400	96.900

2

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ○ MONITORING WELL WITH SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPI
 2. DATA FOOTNOTE AND LITHO
 ARE INCLUDED AT THE END OF
 SECTION.

LANDFILL E

810

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Chromium	79.500	70.8	50.800

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Chromium	116.000	64.800

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Chromium	64.213	76.053

DAESS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Chromium	64.2	

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Chromium	81.500	94.600

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Chromium	157.000	58.900

QUARRY ROAD

N



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF CHROMIUM

PSF26406

Date: January 1997

Fig.

DAESB01	
DEPTH	2.0'
LITHOLOGY	COLMA
Chromium	90.200

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Chromium	79.500	70.8	50.800

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Chromium	116.000	84.800

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Chromium	64.213	76.053

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Chromium	64.2

3.0'
LMA
600

28.0'
OLMA
.900



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26406

Date: January 1997

Figure 9.6-14

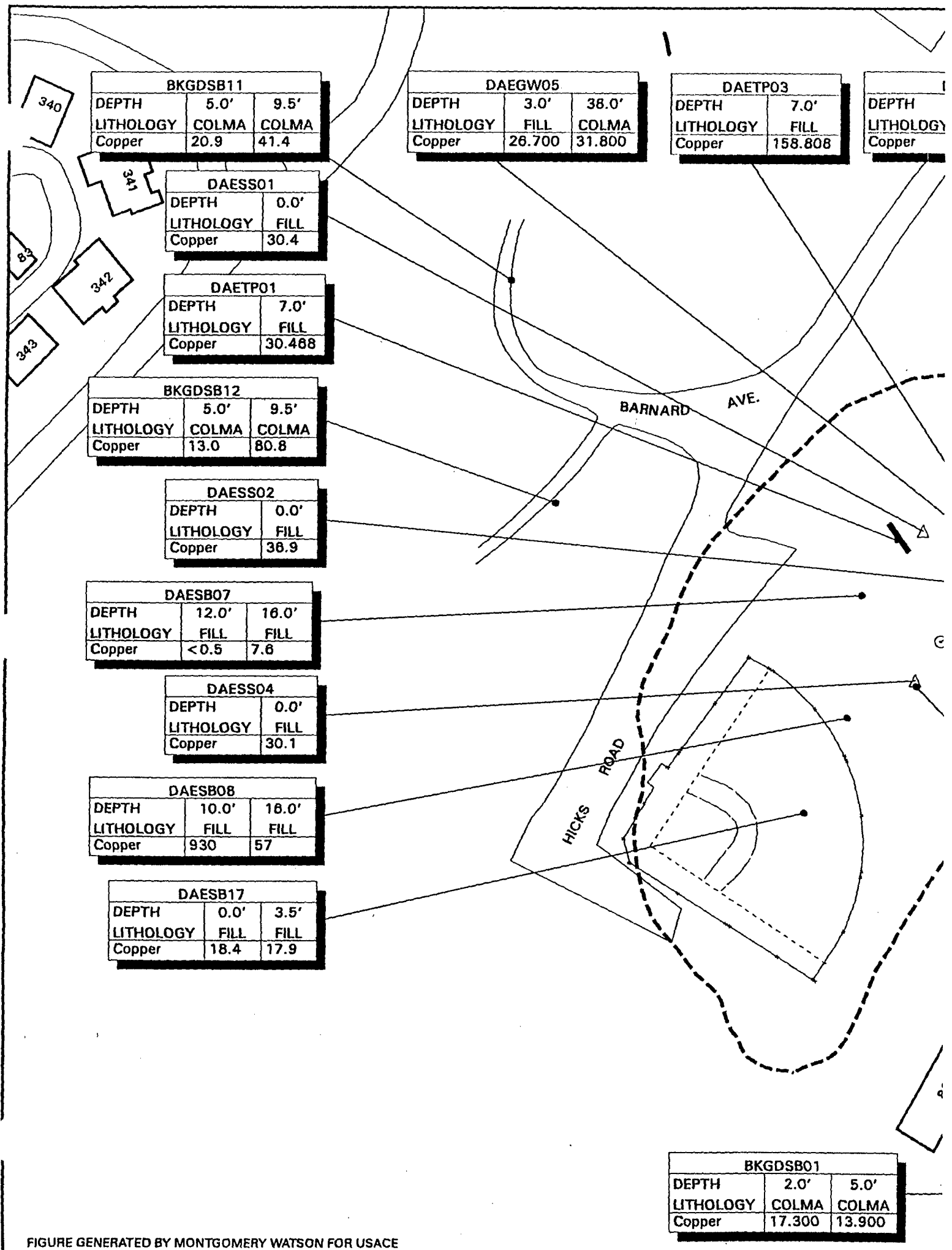


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Copper	158.808	

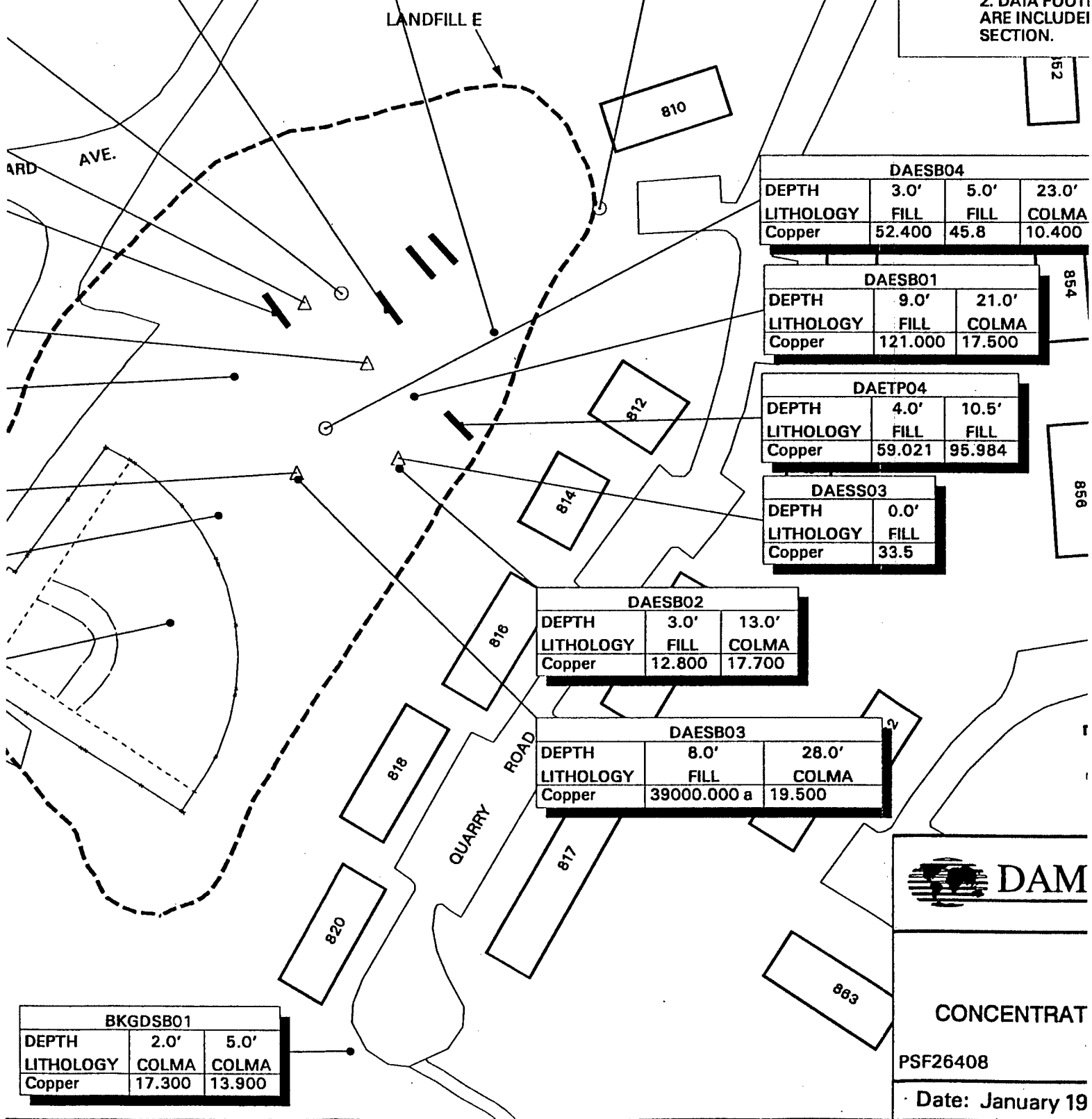
DAESB06			
DEPTH	10.5'	16.0'	
LITHOLOGY	FILL	FILL	
Copper	22	380	

DAEGW04			
DEPTH	0.0'	8.0'	
LITHOLOGY	COLMA	COLMA	
Copper	32.300	24.400	

2

- △ SURFACE
 • SOIL BOF
 ○ MONITOR
 SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCEALED
 2. DATA FOOTINGS ARE INCLUDED IN SECTION.



BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Copper	17.300	13.900

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Copper	12.800	17.700

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Copper	39000.000 a	19.500

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Copper	52.400	45.8	10.400

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Copper	121.000	17.500

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Copper	59.021	95.984

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Copper	33.5



CONCENTRAT

PSF26408

Date: January 19

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Copper	52.400	45.8	10.400

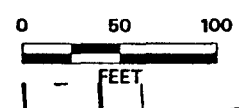
DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Copper	121.000	17.500

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Copper	59.021	95.984

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Copper	33.5

3.0'
COLMA
7.700

28.0'
COLMA
19.500



LANDFILL E CONCENTRATIONS OF COPPER IN SOIL

PSF26408

Date: January 1997

Figure 9.6-15

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Iron	31200 a	29000 a

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Iron	18000.000 a	30000.000 a

DAETP03	
DEPTH	7.0'
LITHOLOGY	FILL
Iron	38489.465

DEPTH
LITHOLOG'
Iron

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	15700

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Iron	30332.000

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Iron	14700	16800

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	25400

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Iron	12000	13000

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	19100

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Iron	140000	15000

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Iron	15700	20300

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Iron	26000.000	20000.000

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

TP03	
7.0'	
FILL	
38489.465	

DAESB06			
DEPTH	10.5'	18.0'	
LITHOLOGY	FILL	FILL	
Iron	21000	29000	

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Iron	18000.000 a	19000.000 a

2

EXPLANATION

- △ SURFACE SOIL SAM
- SOIL BORING
- MONITORING WELL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS ARE IN PPM.
2. DATA FOOTNOTE AND ARE INCLUDED AT THE END OF THE REPORT.

LANDFILL E

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLM
Iron	23000.000 a	22000	14000.0

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Iron	55000.000 a	18000.000

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Iron	39178.695	31207.727

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Iron	22200

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Iron	15000.000 a	24000.000 a

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Iron	110000.000 a	17000.000 a

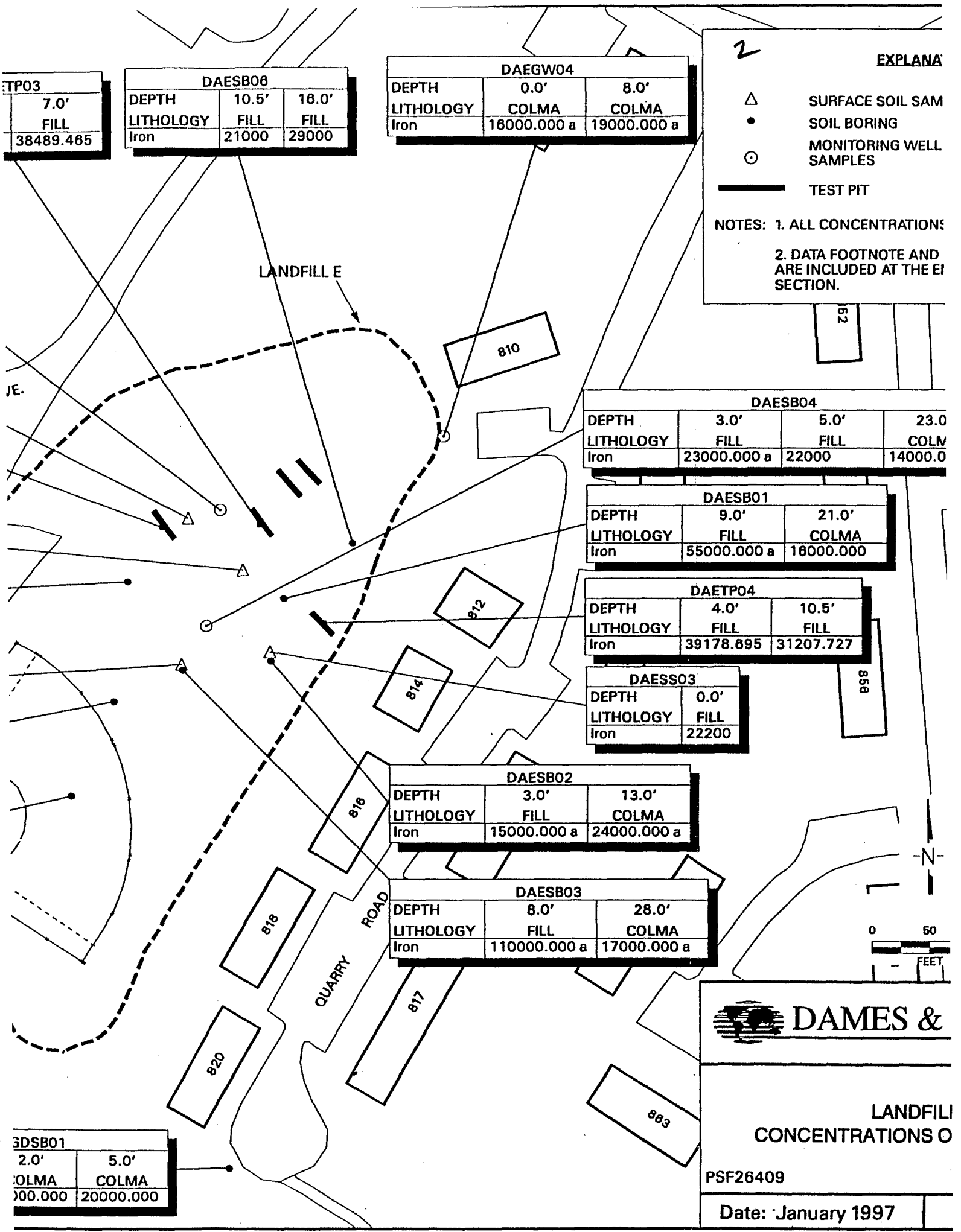
3DSB01	
2.0'	5.0'
COLMA	COLMA
100.000	20000.000



LANDFILL CONCENTRATIONS OF

PSF26409

Date: January 1997

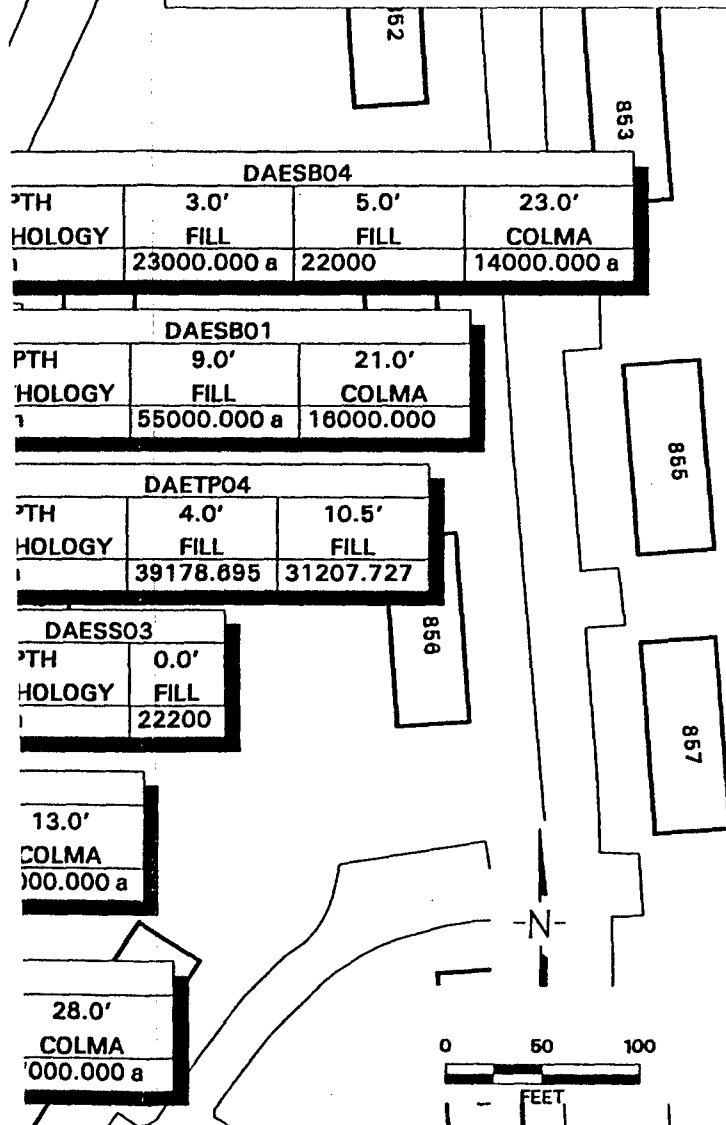


EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



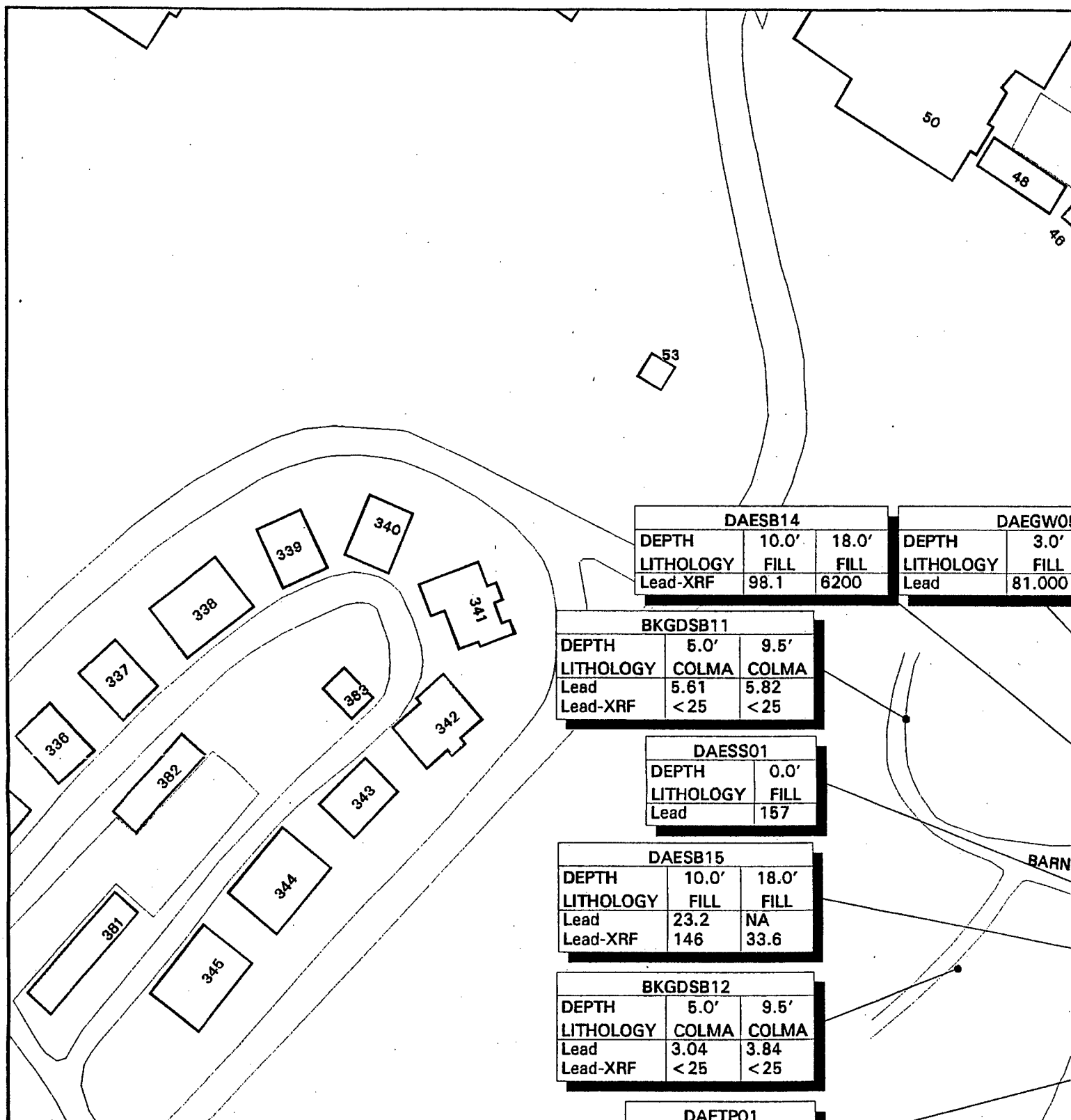
DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF IRON IN SOIL

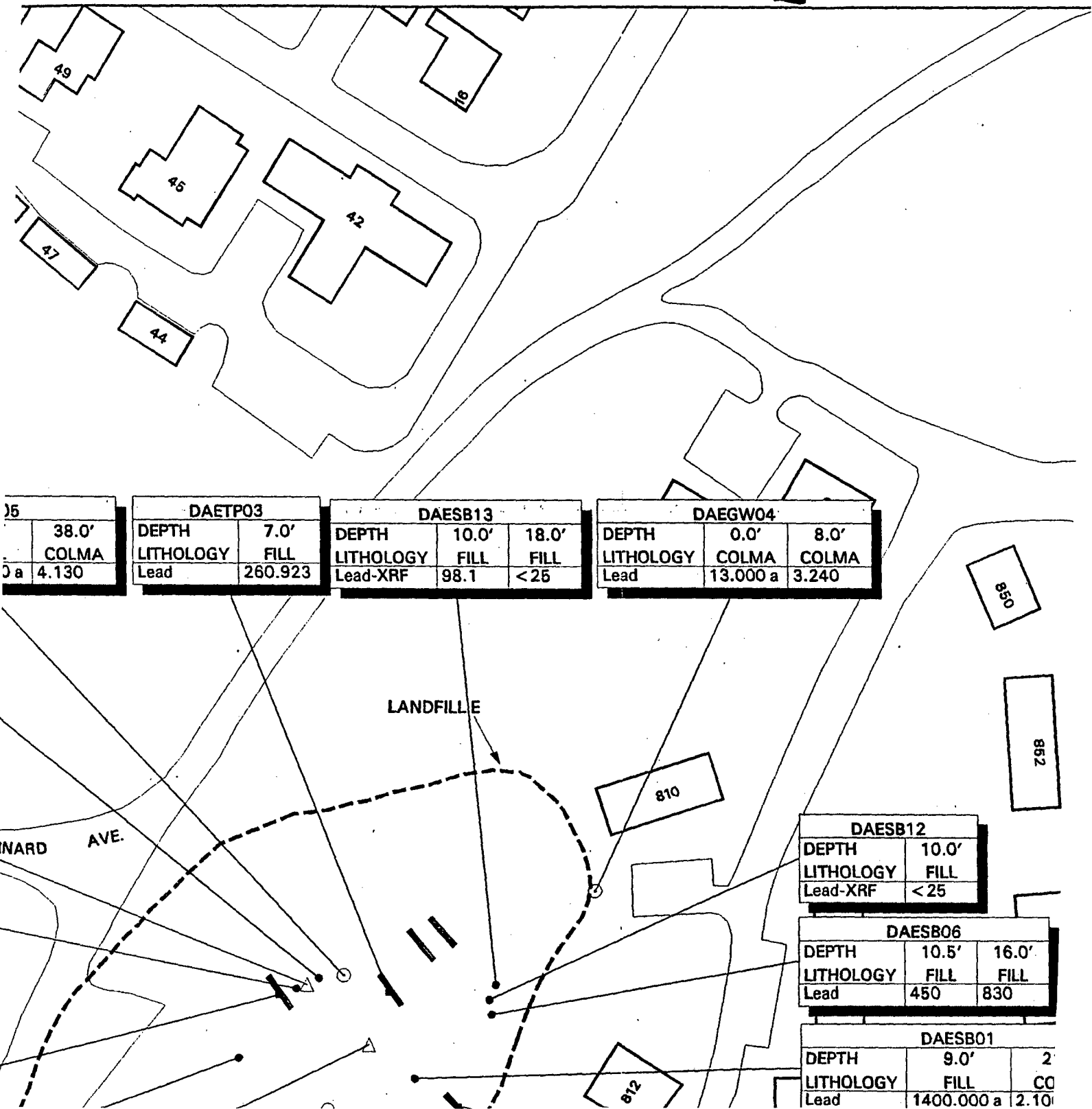
PSF26409

Date: January 1997

Figure 9.6-16



2



DAETP03	38.0'
COLMA	4.130

DEPTH	7.0'
LITHOLOGY	FILL
Lead	260.923

DEPTH	10.0'	18.0'
LITHOLOGY	FILL	FILL
Lead-XRF	98.1	< 25

DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Lead	13.000 a	3.240

DEPTH	10.0'
LITHOLOGY	FILL
Lead-XRF	< 25

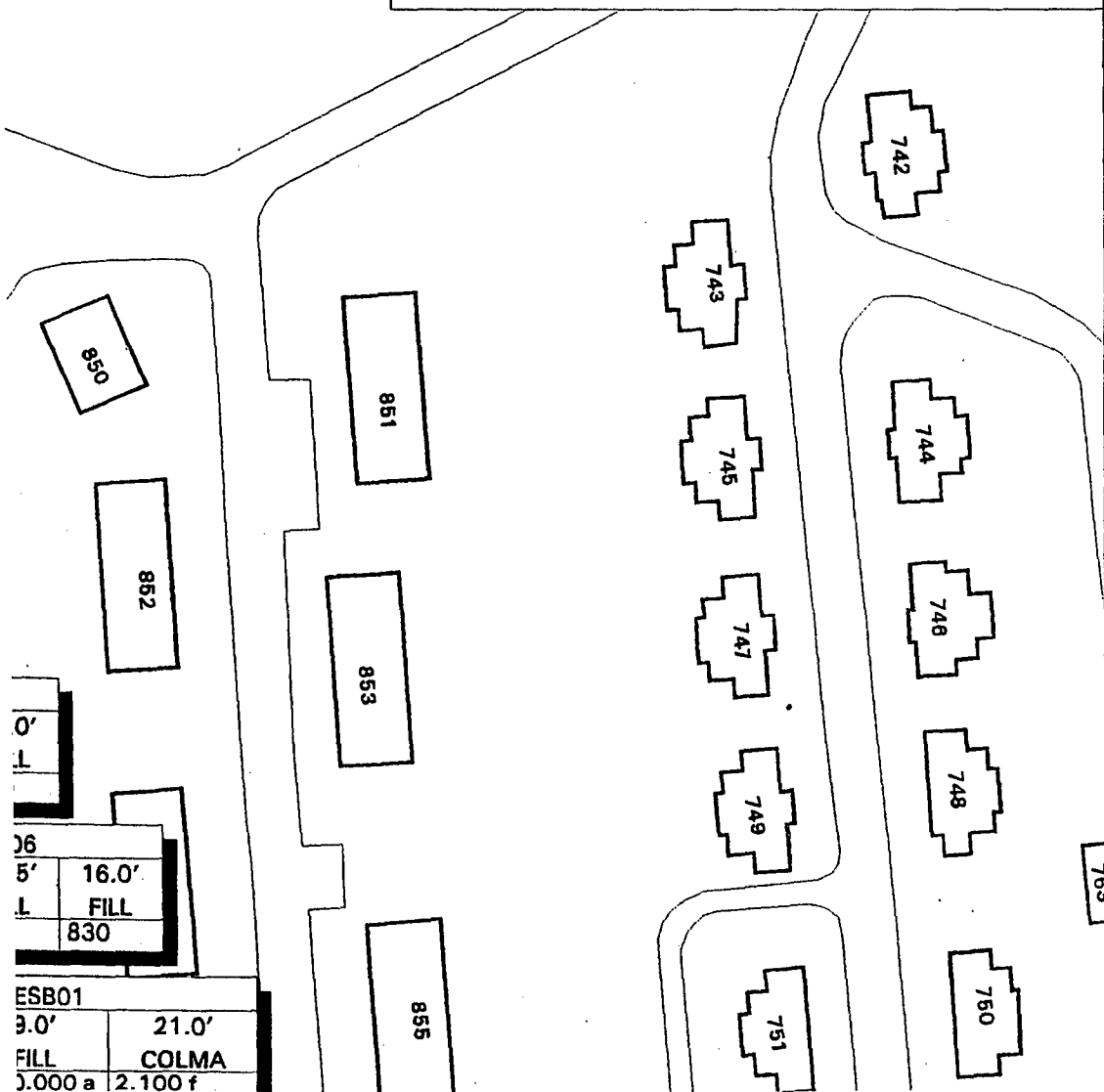
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Lead	450	830

DEPTH	9.0'	2'
LITHOLOGY	FILL	CO
Lead	1400.000 a	2.10

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



4

LITHOLOGY	FILL
Lead	371.483

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Lead	14	35

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Lead	26.9

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Lead	1700.000 a	1300	19.000 a

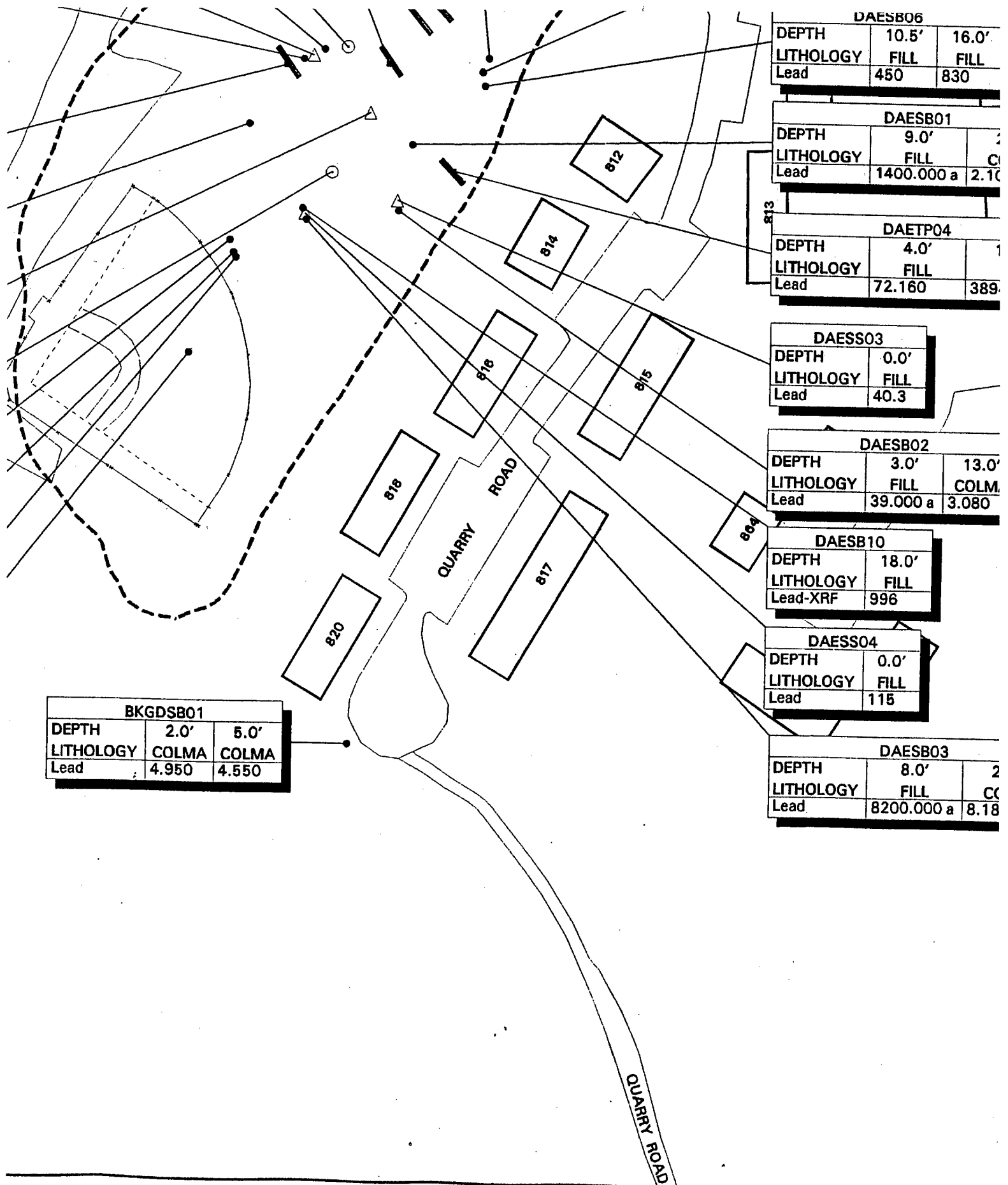
DAESB11	
DEPTH	18.0'
LITHOLOGY	FILL
Lead-XRF	920

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Lead	5300	1500

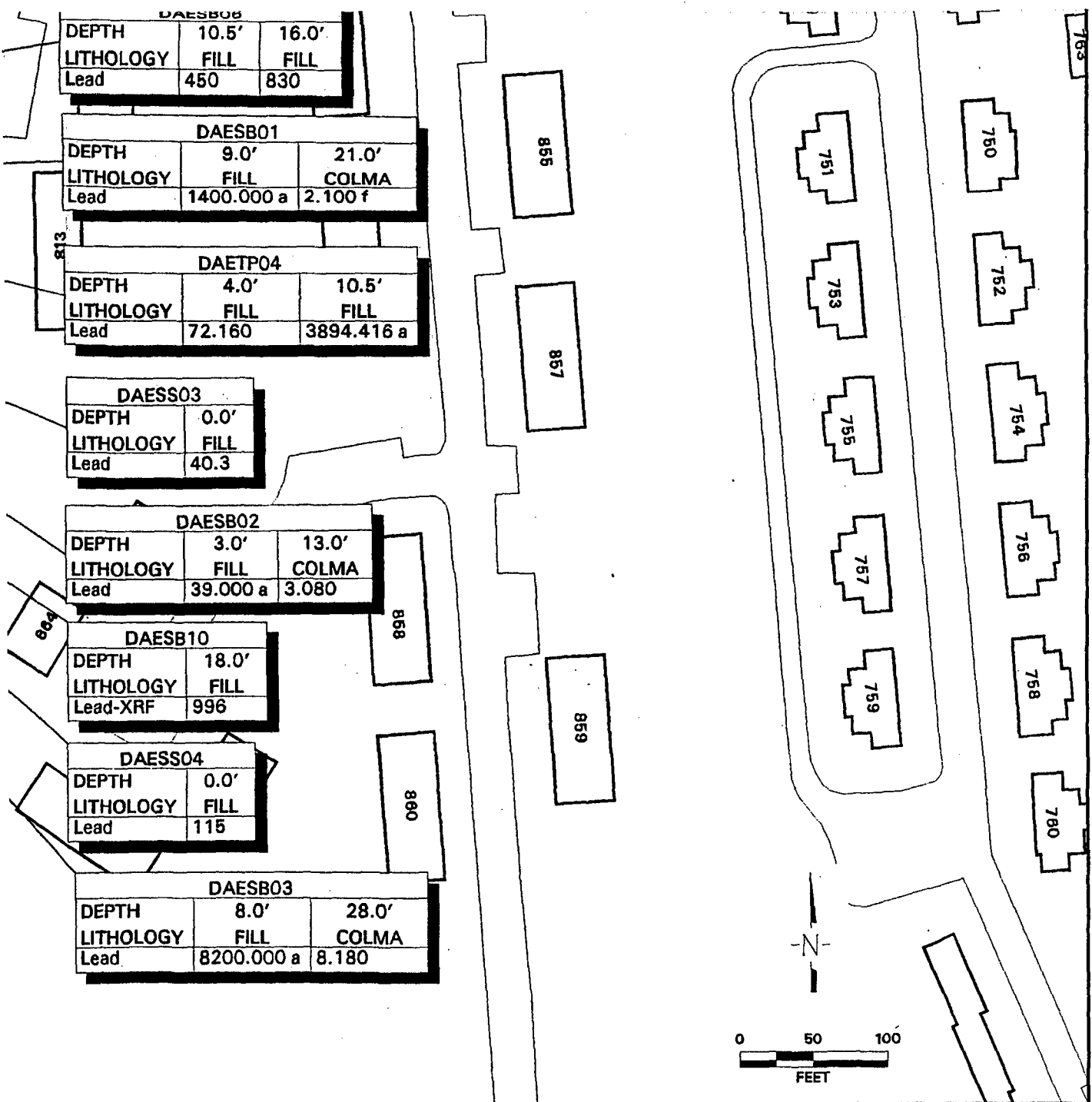
DAESB16		
DEPTH	10.0'	18.0'
LITHOLOGY	FILL	FILL
Lead-XRF	2440	732

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Lead	43.5	29.5

HICKS ROAD



6



DAMES & MOORE

LANDFILL E

CONCENTRATIONS OF LEAD IN SOIL

PSF26414

Date: January 1997

Figure 9.6-17

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Manganese	270	244

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Manganese	378.000	425.000

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Manganese	623.954	

DEPTH		
LITHOLOGY		
Manganese		

DAESS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Manganese	332	

DAETP01		
DEPTH	7.0'	
LITHOLOGY	FILL	
Manganese	510.201	

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Manganese	227	271

DAESS02		
DEPTH	0.0'	
LITHOLOGY	FILL	
Manganese	406	

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Manganese	170	200

DAESS04		
DEPTH	0.0'	
LITHOLOGY	FILL	
Manganese	347	

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Manganese	970	290

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Manganese	347	429

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Manganese	390.000	299.000

2

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

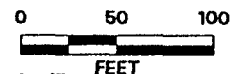
NOTES: 1. ALL CONCENTRATIONS REPORTED

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

LANDFILL E

QUARRY ROAD

N



LANDFILL E CONCENTRATIONS OF MANGANESE

PSF26411

Date: January 1997

Figure

DAESB08			
DEPTH	10.5'	16.0'	
LITHOLOGY	FILL	FILL	
Manganese	500	540	

DAEGW04			
DEPTH	0.0'	8.0'	
LITHOLOGY	COLMA	COLMA	
Manganese	419.000	261.000	

DAESB04				
DEPTH	3.0'	5.0'	23.0'	
LITHOLOGY	FILL	FILL	COLMA	
Manganese	343.000	442	240.000	

DAESB01			
DEPTH	9.0'	21.0'	
LITHOLOGY	FILL	COLMA	
Manganese	529.000	364.000	

DAETP04			
DEPTH	4.0'	10.5'	
LITHOLOGY	FILL	FILL	
Manganese	555.293	392.455	

DAESS03		
DEPTH	0.0'	
LITHOLOGY	FILL	
Manganese	589	

DAESB02			
DEPTH	3.0'	13.0'	
LITHOLOGY	FILL	COLMA	
Manganese	238.000	303.000	

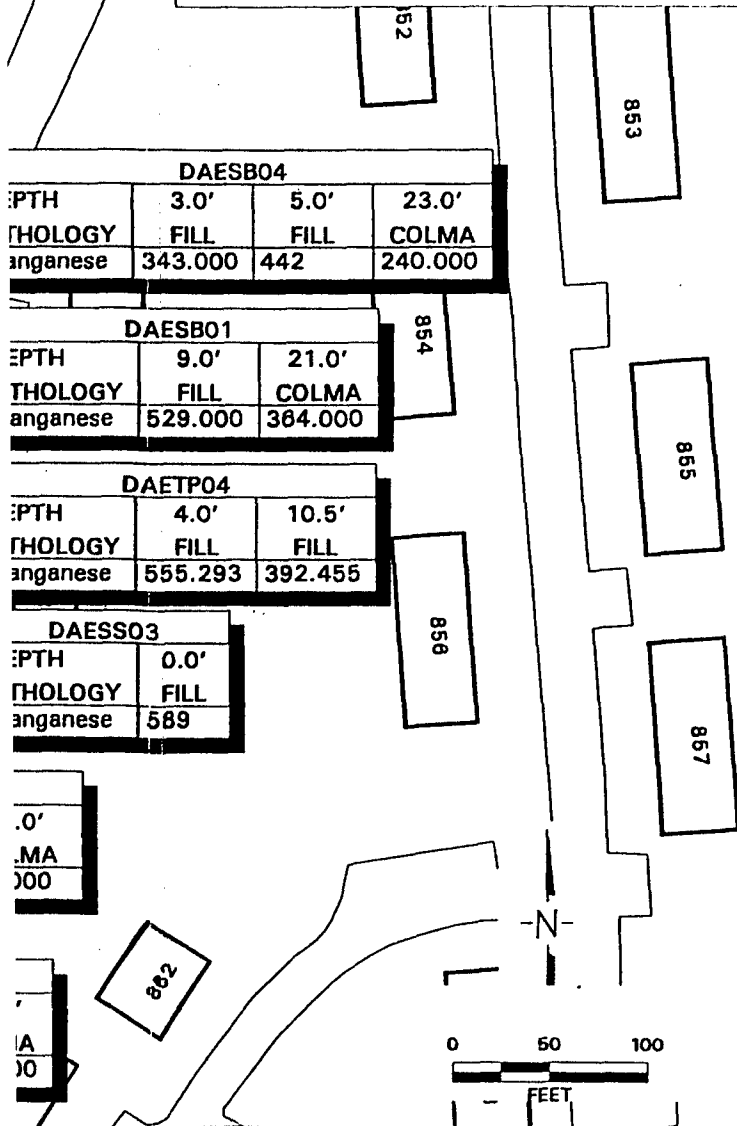
DAESB03			
DEPTH	8.0'	28.0'	
LITHOLOGY	FILL	COLMA	
Manganese	874.000	243.000	

DAESB01		
DEPTH	5.0'	
LITHOLOGY	COLMA	
Manganese	299.000	

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF MANGANESE IN SOIL

PSF26411

Date: January 1997

Figure 9.6-18

16 Sep 96 16:53:18 Monday, "x17_v3.aml, profile base_LFE_S_15.gm, PSF

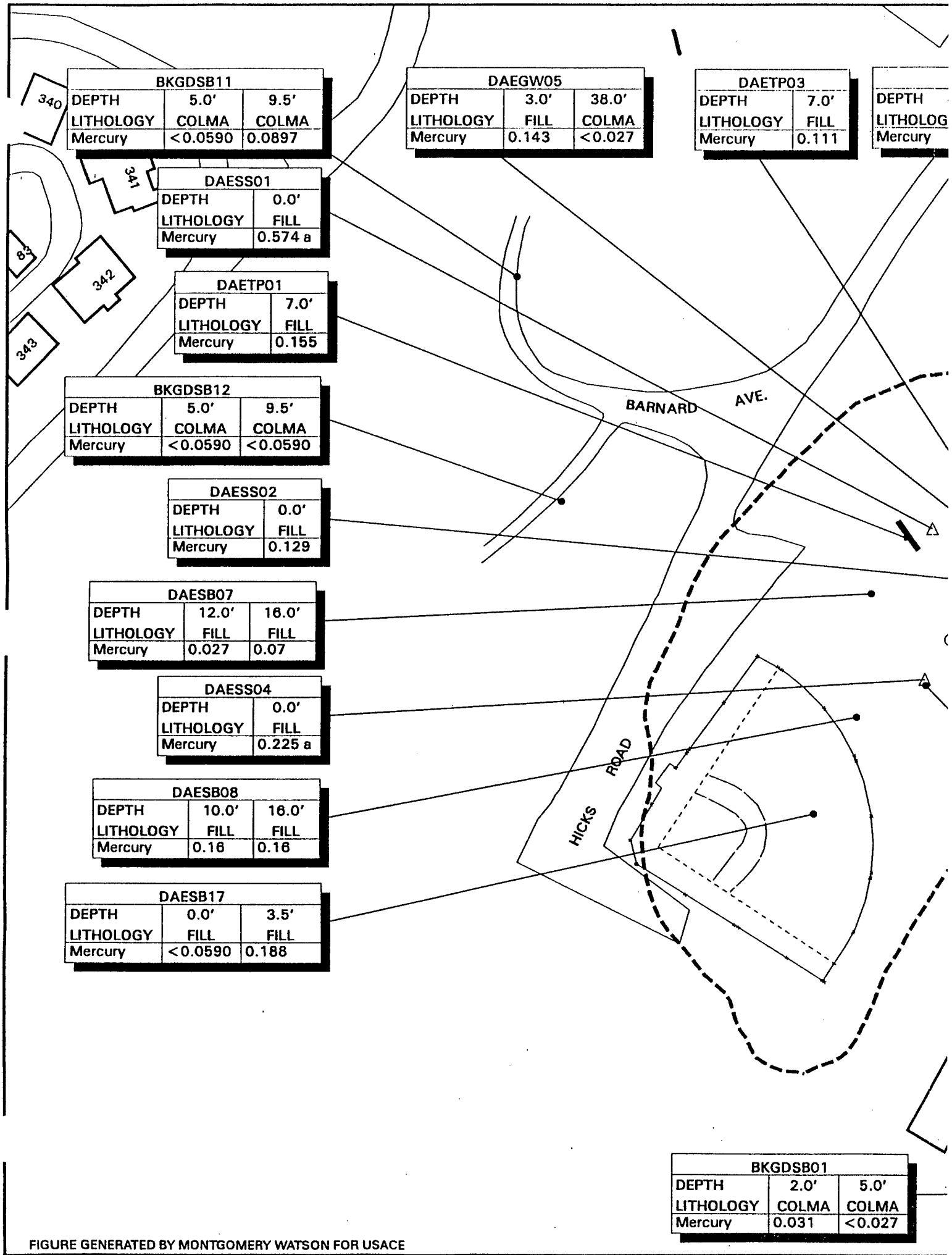


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION



SURFACE SOIL SAMPLE



SOIL BORING



MONITORING WELL WITH SOIL SAMPLES

TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

LANDFILL E

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Mercury	0.029	<0.027

DAESB06		
DEPTH	10.5'	16.0'
LITHOLOGY	FILL	FILL
Mercury	0.26	0.43

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Mercury	0.082	0.101	<0.027

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Mercury	1.500 a	<0.027

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Mercury	0.099	0.995

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Mercury	0.0957

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Mercury	0.240 a	<0.027

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Mercury	0.800 a	<0.027

5.0'
COLMA
<0.027

0 50 100
FEET



DAMES & MOOR

LANDFILL E CONCENTRATIONS OF MERCURY

PSF26410

Date: January 1997

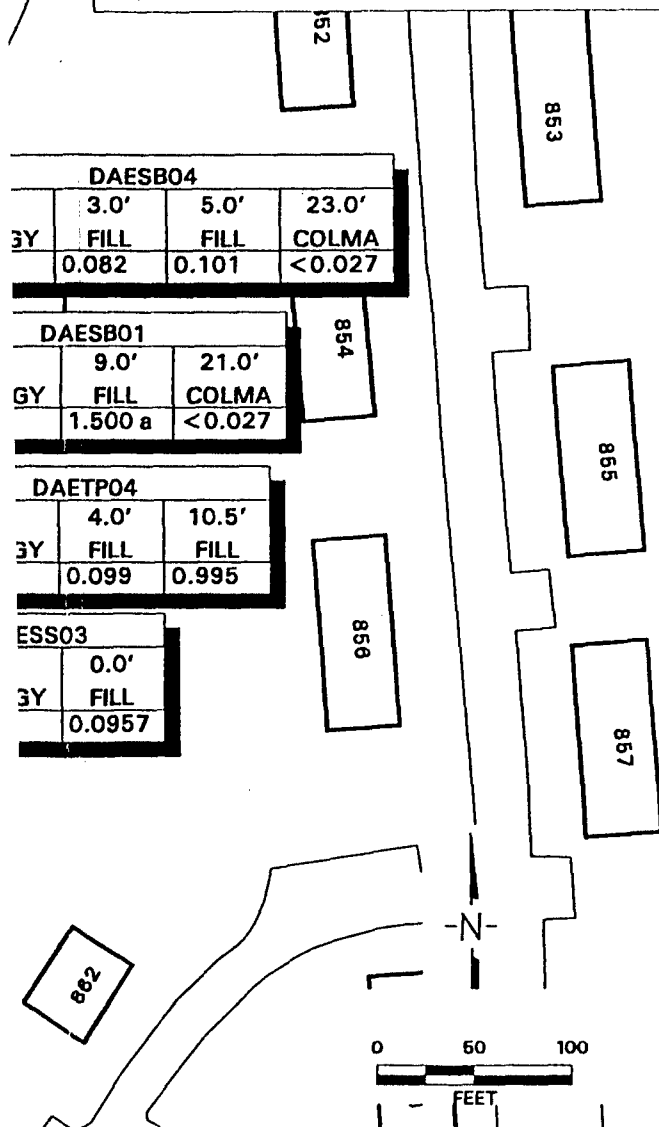
Figure 9.6-

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF MERCURY IN SOIL

PSF26410

Date: January 1997

Figure 9.6-19

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Nickel	34.6	54.4

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Nickel	32.200	393.000

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Nickel	71.197	

DEPTH	
LITHOLOG	
Nickel	

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	81.1

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Nickel	46.498

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Nickel	63.0	69.3

DAESS02	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	58.4

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Nickel	23	25

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	67.7

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Nickel	120	64

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Nickel	44.2	51.3

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Nickel	97.500	89.100

DAESB08			
DEPTH	7.0'	10.5'	16.0'
LITHOLOGY	FILL	FILL	FILL
Nickel	71.197	52	48

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Nickel	33.500	67.800

2

EXPLANATION



SURFACE SOIL SAMPLE



SOIL BORING



MONITORING WELL WITH SAMPLES



TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPI

2. DATA FOOTNOTE AND LITHC ARE INCLUDED AT THE END OF SECTION.

LANDFILL E

810

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Nickel	82.400	78.8	63.600

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Nickel	103.000	43.800

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Nickel	67.756	72.049

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Nickel	57.7

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Nickel	76.400	81.900

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Nickel	203.000	59.100

iDSB01	
2.0'	5.0'
COLMA	COLMA
97.500	89.100



DAMES & M

LANDFILL E
CONCENTRATIONS OF NICKEL

PSF26412

Date: January 1997

Fig

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04			
TH	3.0'	5.0'	23.0'
HOLOGY	FILL	FILL	COLMA
el	82.400	78.8	83.600

DAESB01		
TH	9.0'	21.0'
HOLOGY	FILL	COLMA
el	103.000	43.800

DAETP04		
TH	4.0'	10.5'
HOLOGY	FILL	FILL
el	87.758	72.049

DAESS03	
TH	0.0'
HOLOGY	FILL
el	57.7



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF NICKEL IN SOIL

PSF26412

Date: January 1997

Figure 9.6-20

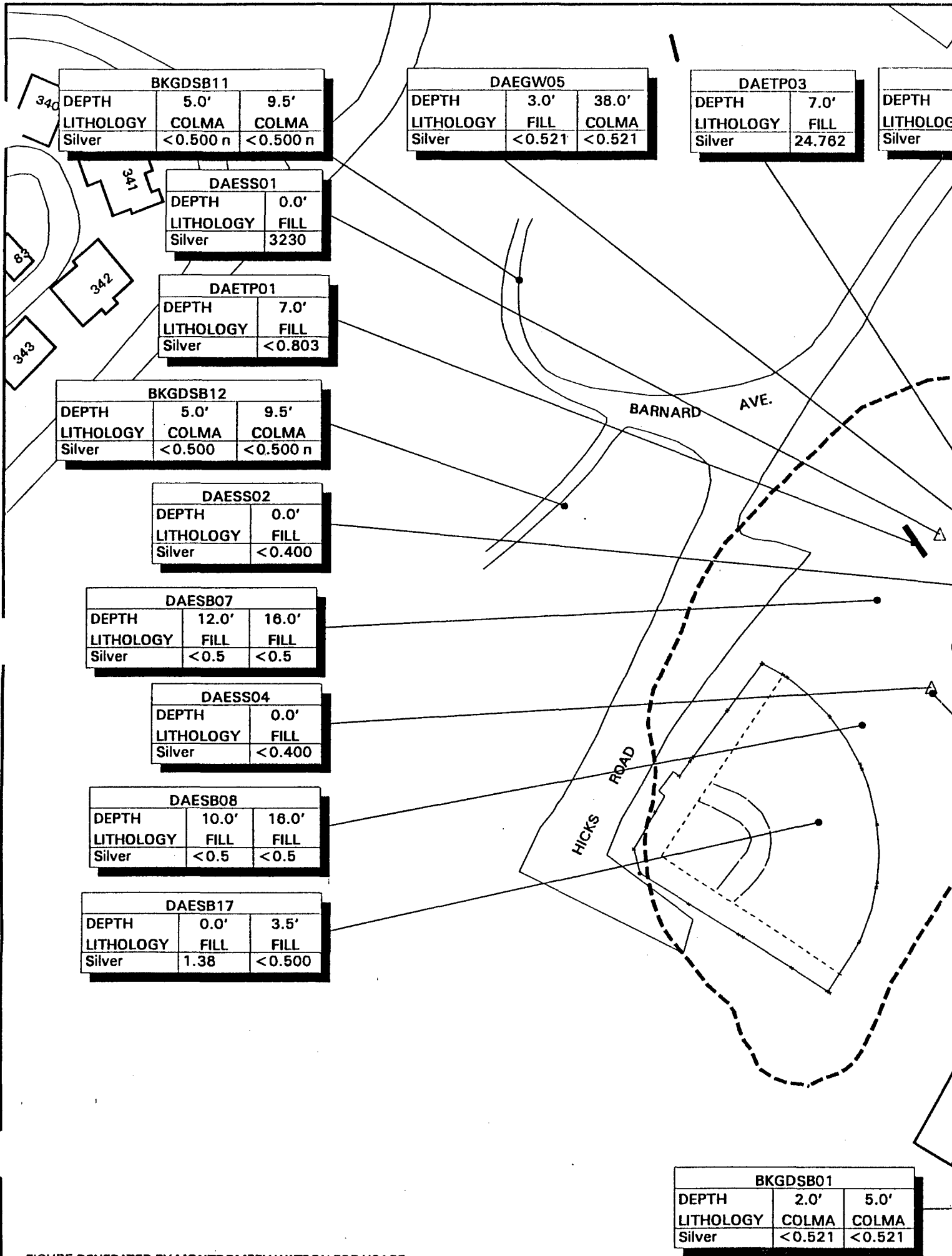


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

DAESB08			
DEPTH	7.0'	10.5'	18.0'
LITHOLOGY	FILL	FILL	FILL
Silver	24.782	<0.5	<0.5

DAEGW04		
DEPTH	0.0'	8.0'
LITHOLOGY	COLMA	COLMA
Silver	<0.521	<0.521

2

EXPLANATION



SURFACE SOIL SAMPLE



SOIL BORING

MONITORING WELL WITH
SAMPLES

TEST PIT

NOTES: 1. ALL CONCENTRATIONS REF

2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END O
SECTION.

LANDFILL E

810

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Silver	1.410	1.44	<0.521

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Silver	19.500	<0.521

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Silver	<0.803	<0.803

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Silver	<0.400

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Silver	<0.521	<0.521

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Silver	14.900	<0.521

DAESB01	
DEPTH	2.0'
LITHOLOGY	COLMA
Silver	<0.521

QUARRY ROAD

N

0 50 100
FEET

DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF SILVER

PSF26398

Date: January 1997

Fig.

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

DAESB04

TH	3.0'	5.0'	23.0'
LOGY	FILL	FILL	COLMA
er	1.410	1.44	<0.521

DAESB01

TH	9.0'	21.0'
LOGY	FILL	COLMA
er	19.500	<0.521

DAETP04

TH	4.0'	10.5'
LOGY	FILL	FILL
er	<0.803	<0.803

DAESS03

TH	0.0'
LOGY	FILL
er	<0.400



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF SILVER IN SOIL

PSF26398

Date: January 1997

Figure 9.6-21

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Vanadium	64.9 n	60.2 n

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Vanadium	36.600	49.000

DAETP03		
DEPTH	7.0'	
LITHOLOGY	FILL	
Vanadium	61.260	

DEPTH		
LITHOLOGY		
Vanadium		

DAESS01		
DEPTH	0.0'	
LITHOLOGY	FILL	
Vanadium	36.0	

DAETP01		
DEPTH	7.0'	
LITHOLOGY	FILL	
Vanadium	62.264	

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Vanadium	37.2 n	43.3 n

DAESS02		
DEPTH	0.0'	
LITHOLOGY	FILL	
Vanadium	41.2	

DAESB07		
DEPTH	12.0'	16.0'
LITHOLOGY	FILL	FILL
Vanadium	34	30

DAESS04		
DEPTH	0.0'	
LITHOLOGY	FILL	
Vanadium	46.4	

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Vanadium	110	33

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Vanadium	47.9	53.9

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Vanadium	63.300	55.400

DAESB08			
DEPTH	7.0'	10.5'	16.0'
LITHOLOGY	FILL	FILL	FILL
Vanadium	11.260	47	39

DAEGW04			
DEPTH	0.0'	8.0'	
LITHOLOGY	COLMA	COLMA	
Vanadium	40.900	43.100	

2

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH 1 SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPO

2. DATA FOOTNOTE AND LITHO ARE INCLUDED AT THE END OF SECTION.

LANDFILL E

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Vanadium	69.700	64.1	38.200

DAESB01		
DEPTH	9.0'	21.0'
LITHOLOGY	FILL	COLMA
Vanadium	59.300	49.200

DAETP04		
DEPTH	4.0'	10.5'
LITHOLOGY	FILL	FILL
Vanadium	58.106	58.927

DAESS03	
DEPTH	0.0'
LITHOLOGY	FILL
Vanadium	53.3

DAESB02		
DEPTH	3.0'	13.0'
LITHOLOGY	FILL	COLMA
Vanadium	39.500	70.600

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Vanadium	191.000	40.300

DSB01	
2.0'	5.0'
COLMA	COLMA
13.300	55.400



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF VANADIUM

PSF26417

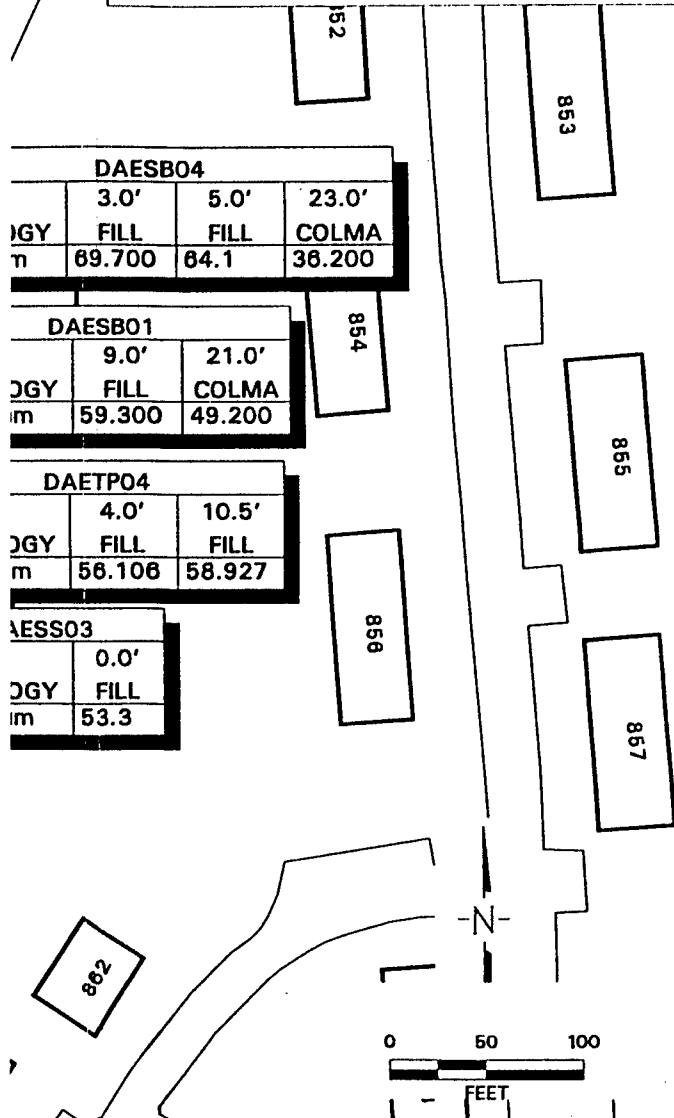
Date: January 1997

Fig

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

**LANDFILL E
 CONCENTRATIONS OF VANADIUM IN SOIL**

PSF26417

Date: January 1997

Figure 9.6-22

DAETP01	
DEPTH	7.0'
LITHOLOGY	FILL
Zinc	193.306

DAESS01	
DEPTH	0.0'
LITHOLOGY	FILL
Zinc	128

DAEGW05		
DEPTH	3.0'	38.0'
LITHOLOGY	FILL	COLMA
Zinc	63.600	48.400

DEPTH	
LITHOLOGY	
Zinc	

BKGDSB11		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Zinc	47.3 n	64.8 n
Zinc-XRF	194	224

DAESB07		
DEPTH	12.0'	18.0'
LITHOLOGY	FILL	FILL
Zinc	34	52

BKGDSB12		
DEPTH	5.0'	9.5'
LITHOLOGY	COLMA	COLMA
Zinc	29.1 n	61.6 n
Zinc-XRF	126	154

DAESB04			
DEPTH	3.0'	5.0'	23.0'
LITHOLOGY	FILL	FILL	COLMA
Zinc	263.000	345	32.100

DAESS04	
DEPTH	0.0'
LITHOLOGY	FILL
Zinc	400

DAESB03		
DEPTH	8.0'	28.0'
LITHOLOGY	FILL	COLMA
Zinc	24000.000 a	40.600

DAESB08		
DEPTH	10.0'	16.0'
LITHOLOGY	FILL	FILL
Zinc	7500	760

DAESB17		
DEPTH	0.0'	3.5'
LITHOLOGY	FILL	FILL
Zinc	73.2	0.582

BKGDSB01		
DEPTH	2.0'	5.0'
LITHOLOGY	COLMA	COLMA
Zinc	36.900	33.900

W05		
0.0'	38.0'	
ILL	COLMA	
600	48.400	

DAESS02			
DEPTH	0.0'		
LITHOLOGY	FILL		
Zinc	83.8		

DAETP03			
DEPTH	7.0'		
LITHOLOGY	FILL		
Zinc	580.241		

2

EXPLANATIC

- △ SURFACE SOIL SAMPL
- SOIL BORING
- MONITORING WELL W
- SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS F
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.

LANDFILL E

810

DAEGW04			
DEPTH	0.0'	8.0'	
LITHOLOGY	COLMA	COLMA	
Zinc	43.000	33.100	

DAESB08			
DEPTH	10.5'	18.0'	
LITHOLOGY	FILL	FILL	
Zinc	140	290	

DAESB01			
DEPTH	9.0'	21.0'	
LITHOLOGY	FILL	COLMA	
Zinc	858.000	33.500	

DAETP04			
DEPTH	4.0'	10.5'	
LITHOLOGY	FILL	FILL	
Zinc	128.219	15388.488 a	

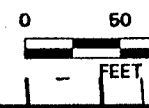
DAESS03			
DEPTH	0.0'		
LITHOLOGY	FILL		
Zinc	66.0		

DAESB02			
DEPTH	3.0'	13.0'	
LITHOLOGY	FILL	COLMA	
Zinc	65.500	38.900	

854

856

N



LANDFILL CONCENTRATIONS O

PSF26418

Date: January 1997

BKGDSB01			
2.0'	5.0'		
COLMA	COLMA		
36.900	33.900		

QUARRY ROAD

818

817

820

812

814

815

816

864

863

852

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

EGW04	
0.0'	8.0'
COLMA	COLMA
43.000	33.100

AESB08	
10.5'	16.0'
FILL	FILL
140	290

AESB01	
9.0'	21.0'
FILL	COLMA
858.000	33.500

DAETP04	
4.0'	10.5'
FILL	FILL
128.219	15388.488 a

03	
0.0'	
FILL	
66.0	

ESB02	
3.0'	13.0'
FILL	COLMA
65.500	38.900



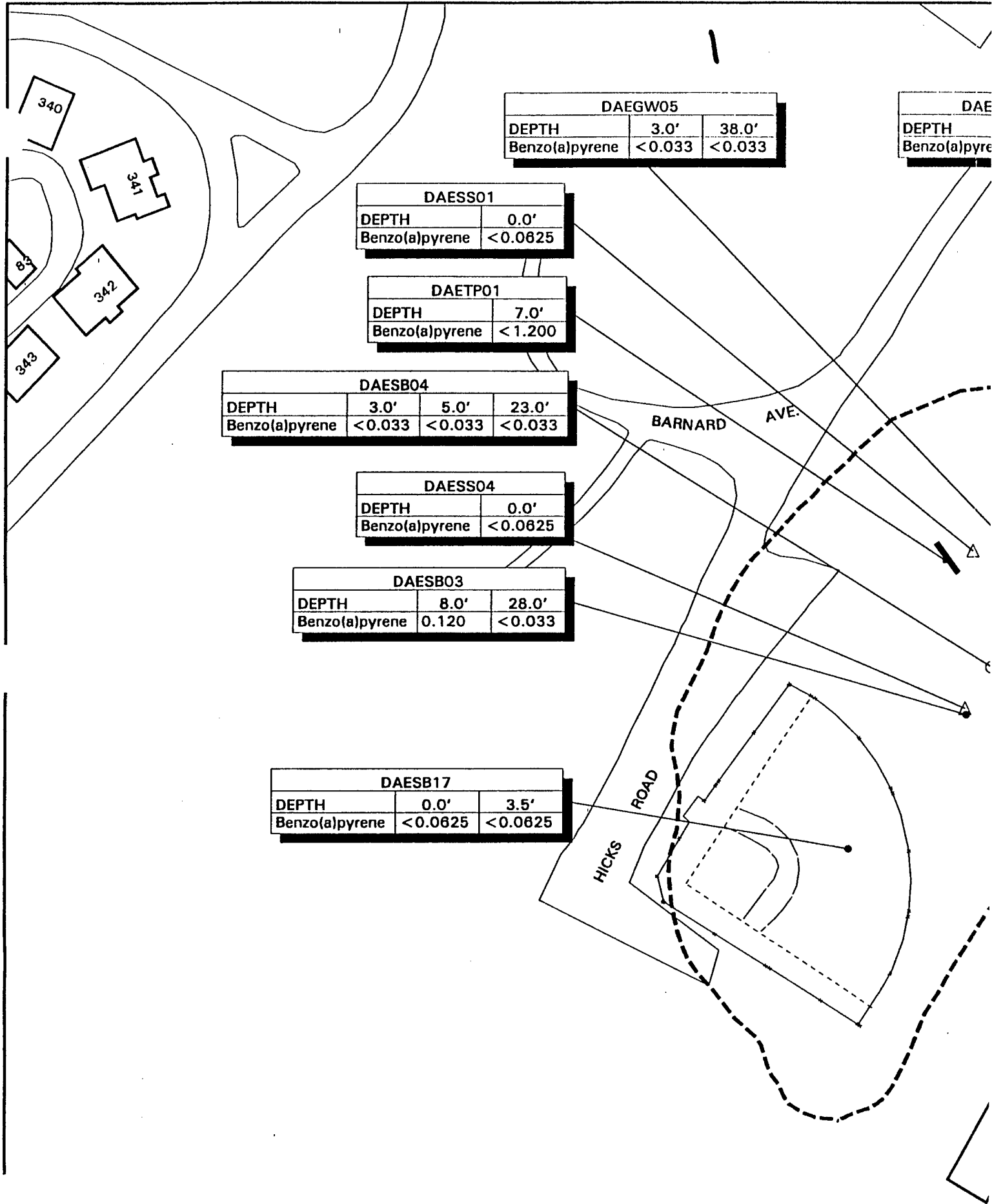
DAMES & MOORE

**LANDFILL E
 CONCENTRATIONS OF ZINC IN SOIL**

PSF26418

Date: January 1997

Figure 9.6-23



2

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL W/ SAMPLES

— TEST PIT

NOTES: 1. ALL CONCENTRATIONS F

2. DATA FOOTNOTE AND LI
 ARE INCLUDED AT THE END
 SECTION.

DAETP03	
DEPTH	7.0'
Benzo(a)pyrene	<1.200

DAEGW04		
DEPTH	0.0'	8.0'
Benzo(a)pyrene	<0.033	<0.033

LANDFILL E

DAESS02	
DEPTH	0.0'
Benzo(a)pyrene	<0.0825

DAESB01		
DEPTH	9.0'	21.0'
Benzo(a)pyrene	0.500	<0.033

DAETP04		
DEPTH	4.0'	10.5'
Benzo(a)pyrene	<1.200	<1.200

DAESS03	
DEPTH	0.0'
Benzo(a)pyrene	<0.0825

DAESB02		
DEPTH	3.0'	13.0'
Benzo(a)pyrene	<0.033	<0.033

0 50
 FEET



DAMES & MOORE

LANDFILL
 CONCENTRATIONS OF BENZ

PSF26419

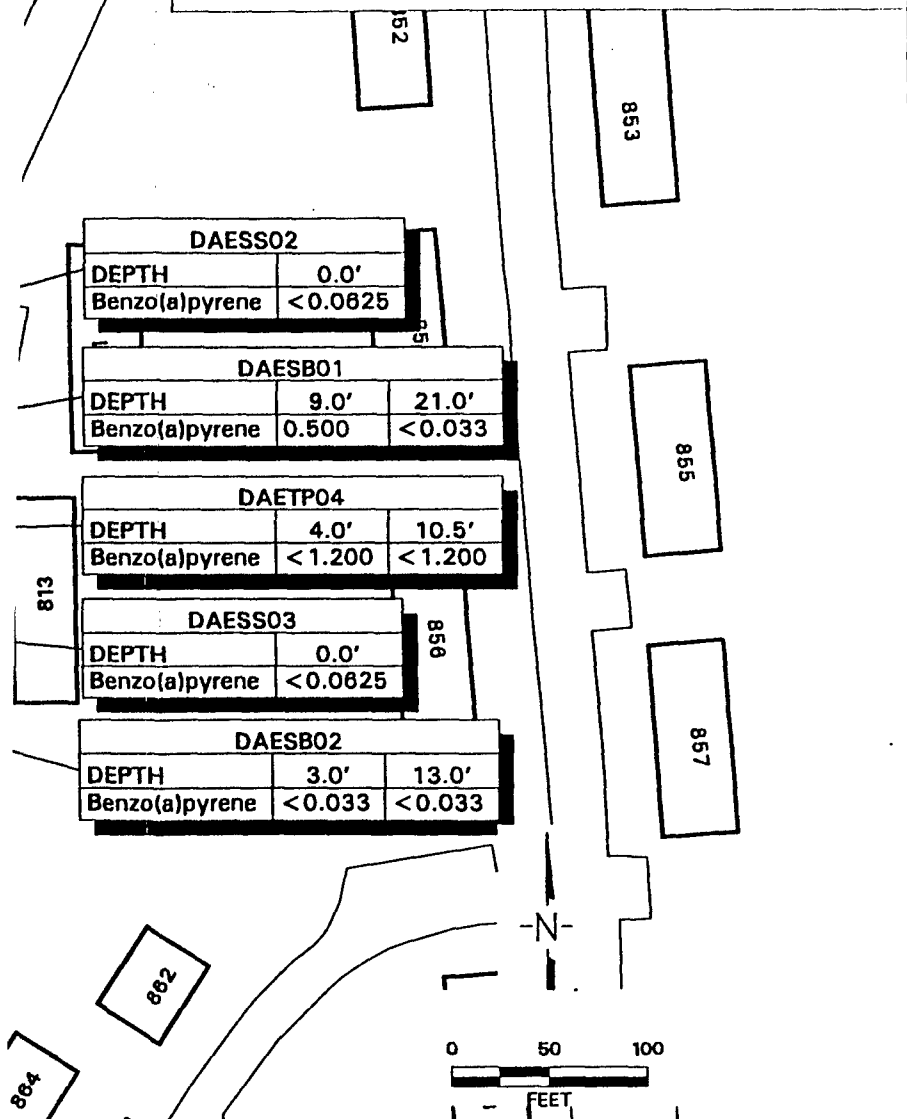
Date: January 1997

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



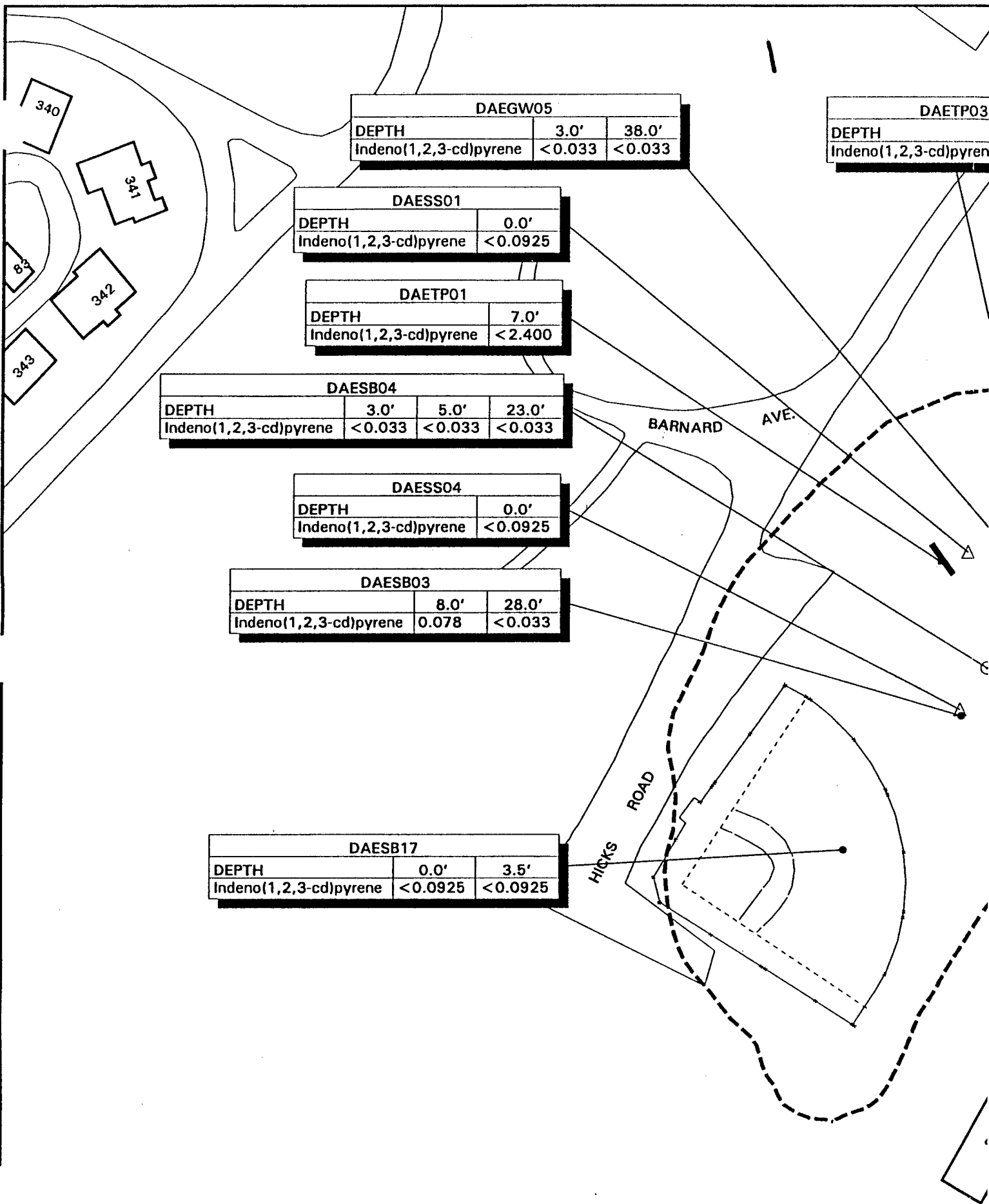
DAMES & MOORE

LANDFILL E CONCENTRATIONS OF BENZO(A)PYRENE IN SOIL

PSF26419

Date: January 1997

Figure 9.6-24



2

EXPLANATION

- △ SURFACE SOIL SAMPL
 • SOIL BORING
 ○ MONITORING WELL W
 SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS R
 2. DATA FOOTNOTE AND LIT
 ARE INCLUDED AT THE END
 SECTION.

DAETP03	
DEPTH	7.0'
Indeno(1,2,3-cd)pyrene	<2.400

DAEGW04		
DEPTH	0.0'	8.0'
Indeno(1,2,3-cd)pyrene	<0.033	<0.033

LANDFILL E

810

DAESS02	
DEPTH	0.0'
Indeno(1,2,3-cd)pyrene	<0.0925

DAESB01		
DEPTH	9.0'	21.0'
Indeno(1,2,3-cd)pyrene	0.460	<0.033

DAETP04		
DEPTH	4.0'	10.5'
Indeno(1,2,3-cd)pyrene	<2.400	<2.400

DAESS03	
DEPTH	0.0'
Indeno(1,2,3-cd)pyrene	<0.0925

DAESB02		
DEPTH	3.0'	13.0'
Indeno(1,2,3-cd)pyrene	<0.033	<0.033

QUARRY ROAD

818

817

820

815

814

813

862

864

863



DAMES & MOORE

LANDFILL I
CONCENTRATIONS OF INDENO(1,2

PSF26422

Date: January 1997

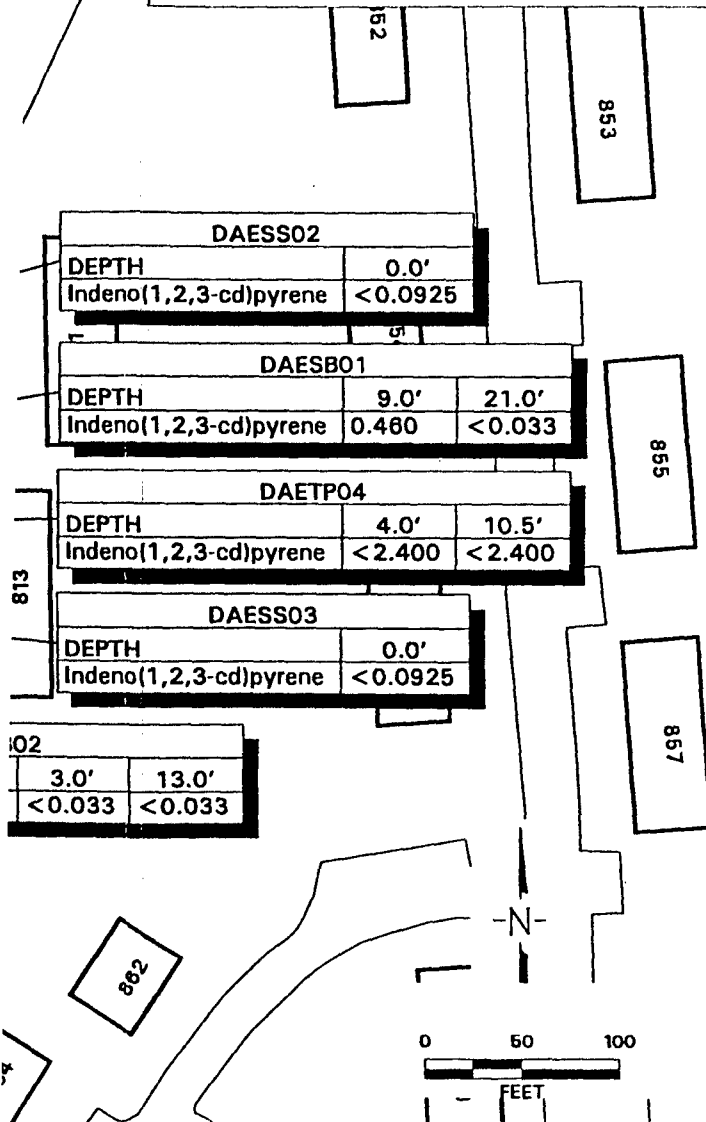
F

EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

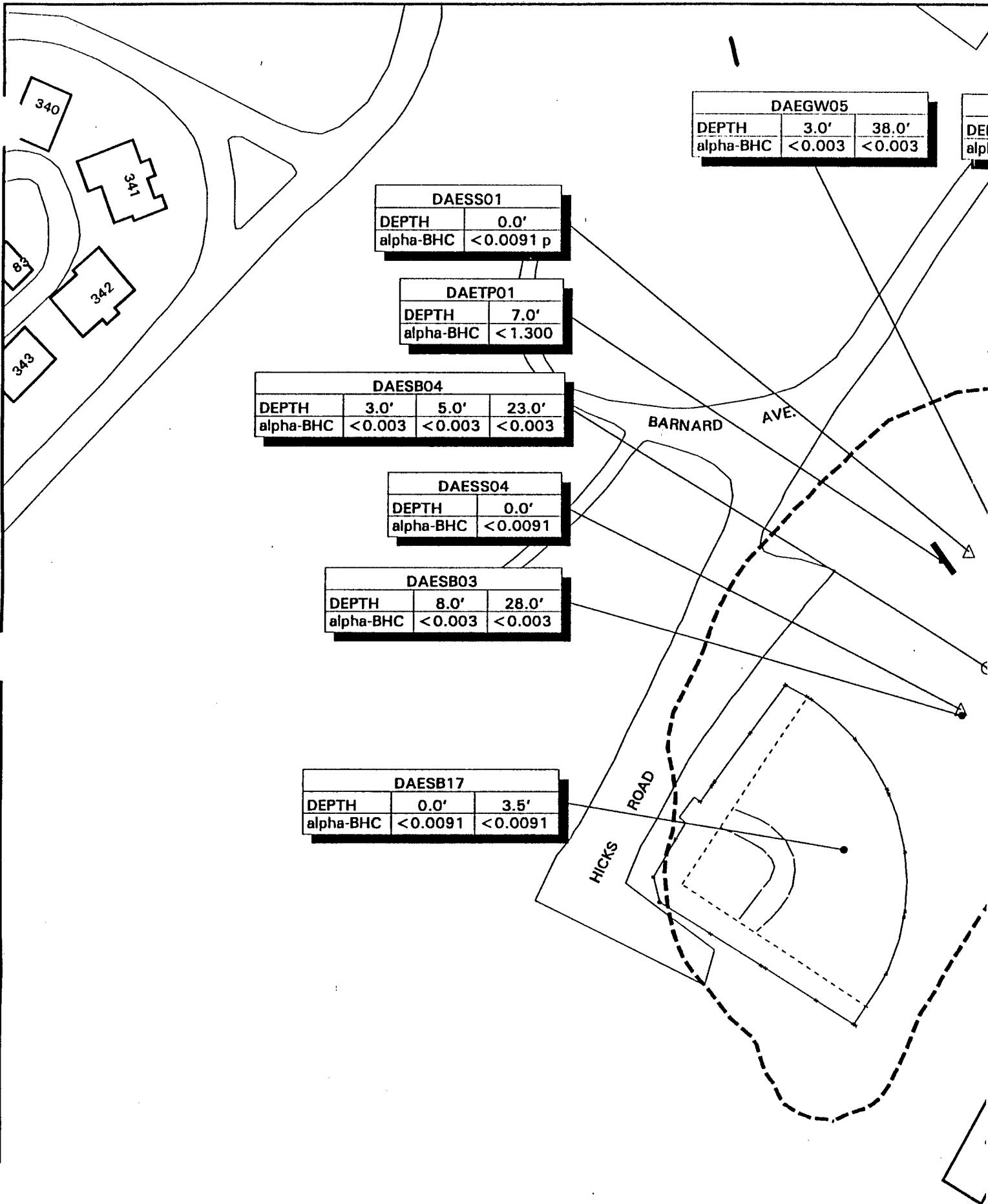


DAMES & MOORE

LANDFILL E
 CONCENTRATIONS OF INDENO(1,2,3-CD)PYRENE IN SOIL
 PSF26422

Date: January 1997

Figure 9.6-25



DAESS01	
DEPTH	0.0'
alpha-BHC	<0.0091 p

DAETP01	
DEPTH	7.0'
alpha-BHC	<1.300

DAESB04			
DEPTH	3.0'	5.0'	23.0'
alpha-BHC	<0.003	<0.003	<0.003

DAESS04	
DEPTH	0.0'
alpha-BHC	<0.0091

DAESB03		
DEPTH	8.0'	28.0'
alpha-BHC	<0.003	<0.003

DAESB17		
DEPTH	0.0'	3.5'
alpha-BHC	<0.0091	<0.0091

DAEGW05		
DEPTH	3.0'	38.0'
alpha-BHC	<0.003	<0.003

DEI	
alpha-BHC	<0.003

DAEGW05	
3.0'	38.0'
<0.003	<0.003

DAETP03	
DEPTH	7.0'
alpha-BHC	<1.300

DAEGW04		
DEPTH	0.0'	8.0'
alpha-BHC	<0.003	<0.003

2

EXPLANATION

- △ SURFACE SOIL SAM
- SOIL BORING
- MONITORING WELL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER GRAM (PPM).
2. DATA FOOTNOTE AND ARE INCLUDED AT THE END OF EACH SECTION.

LANDFILL E

DAESS02	
DEPTH	0.0'
alpha-BHC	<0.0091

DAESB01		
DEPTH	9.0'	21.0'
alpha-BHC	0.004	<0.003 c

DAETP04		
DEPTH	4.0'	10.5'
alpha-BHC	<1.300	<1.300

DAESS03	
DEPTH	0.0'
alpha-BHC	<0.0091

DAESB02		
DEPTH	3.0'	13.0'
alpha-BHC	<0.003	<0.003

QUARRY ROAD



DAMES & MOHR

LANDFILL
CONCENTRATIONS OF /

PSF26420

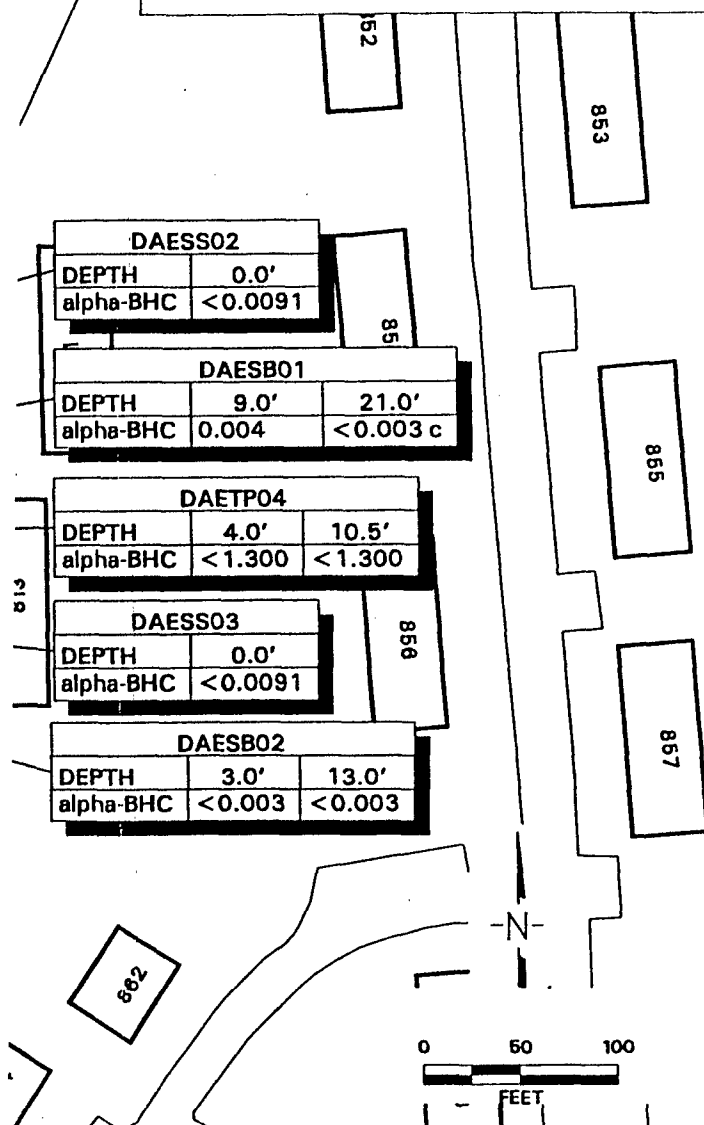
Date: January 1997

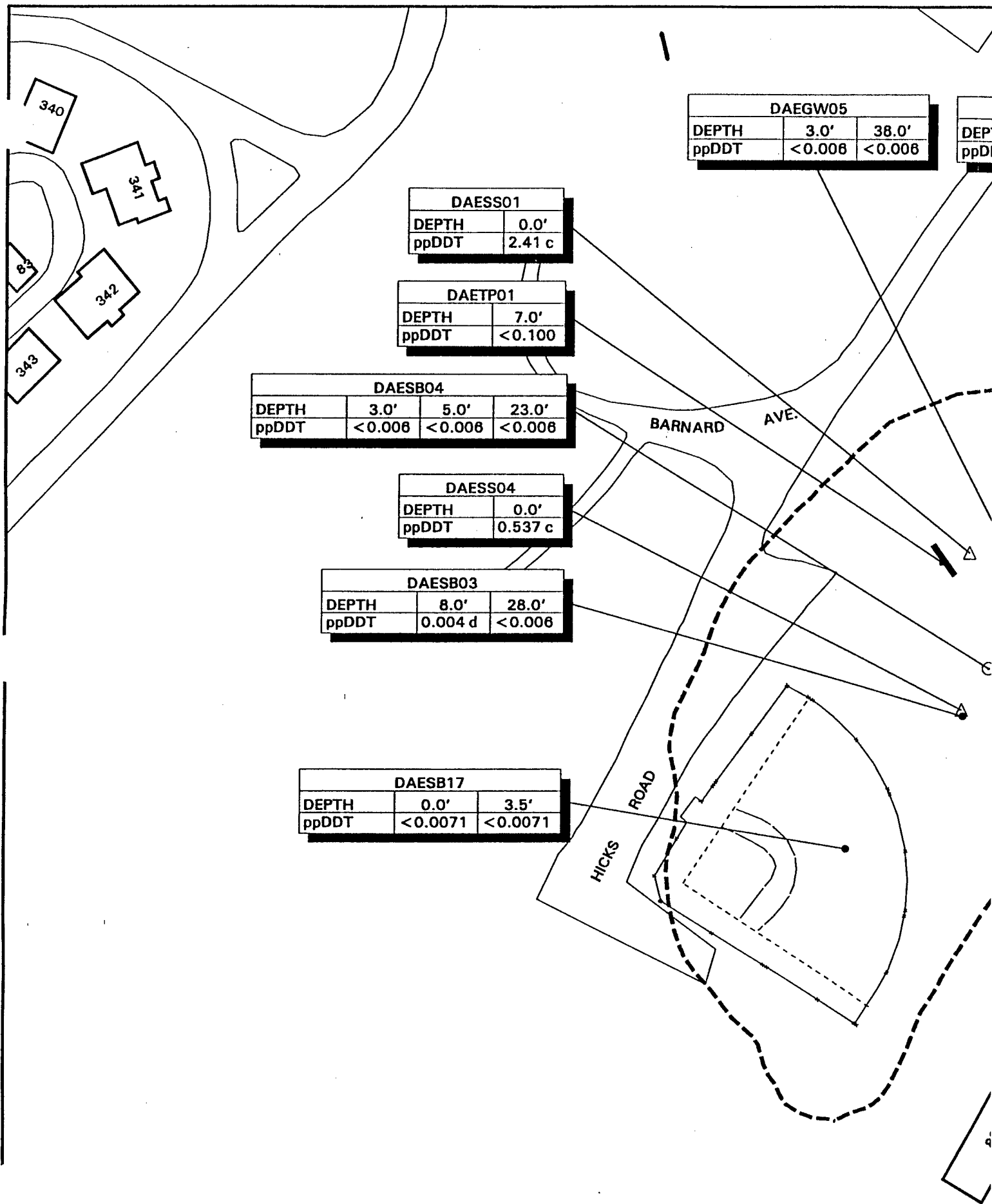
EXPLANATION

- △ SURFACE SOIL SAMPLE
 • SOIL BORING
 ⊙ MONITORING WELL WITH SOIL SAMPLES
 — TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.





GW05	
3.0'	38.0'
0.006	<0.006

DAETP03	
DEPTH	7.0'
ppDDT	<0.100

DAEGW04		
DEPTH	0.0'	8.0'
ppDDT	<0.006	<0.006

2

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SAMPLES

TEST PIT

NOTES: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LIT ARE INCLUDED AT THE END OF SECTION.

LANDFILL E

810

DAESS02

DEPTH	0.0'
ppDDT	<0.0071

DAESB01

DEPTH	9.0'	21.0'
ppDDT	<0.006	<0.006

DAETP04

DEPTH	4.0'	10.5'
ppDDT	<0.100	<0.100

DAESS03

DEPTH	0.0'
ppDDT	<0.0071

DAESB02

DEPTH	3.0'	13.0'
ppDDT	<0.006	<0.006

QUARRY ROAD

818

815

817

820

862

864

863



DAMES & MOORE

LANDFILL E
CONCENTRATIONS OF ppDDT

PSF26421

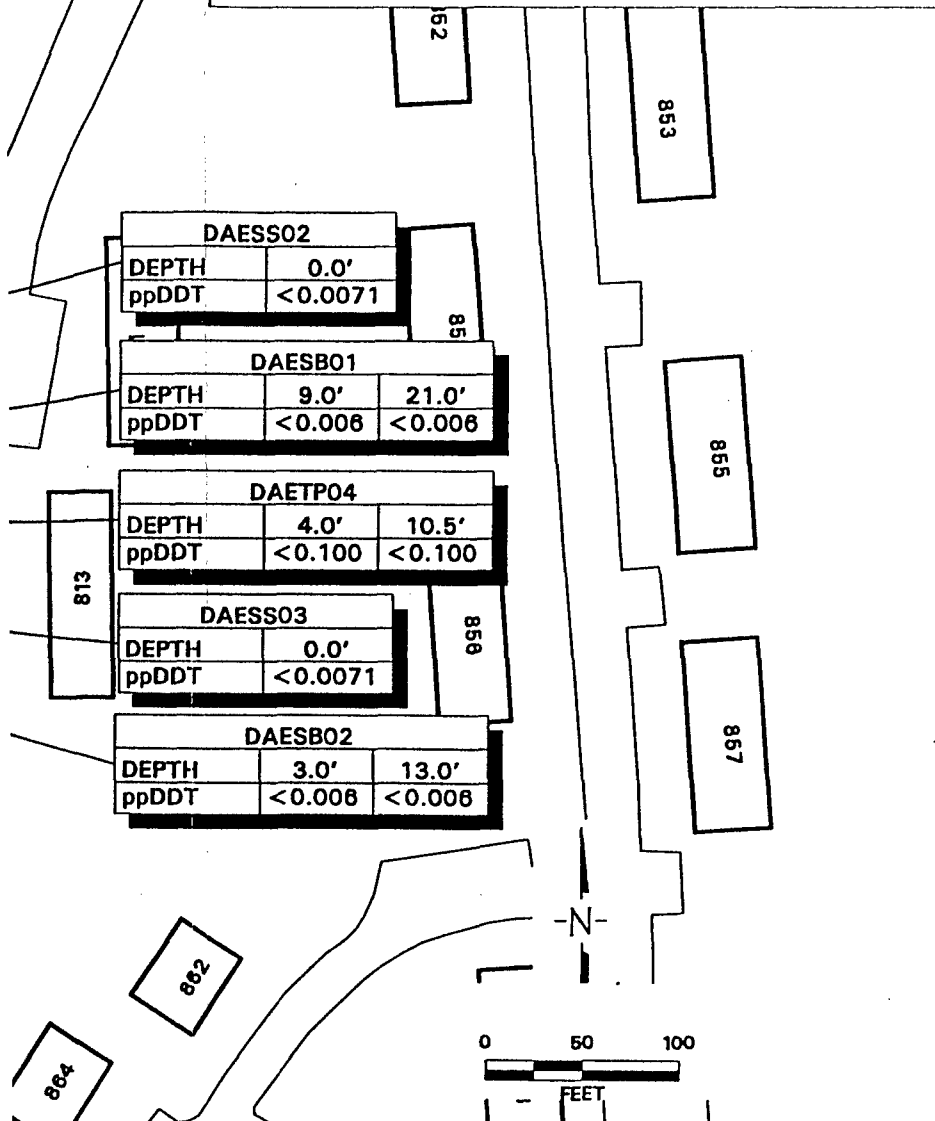
Date: January 1997

Fig

EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- TEST PIT

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

LANDFILL E CONCENTRATIONS OF ppDDT IN SOIL

PSF26421

Date: January 1997

Figure 9.6-27

DAEGW08		
Analyte	Follow-on RI	Jan 1998 Qtr
Aluminum	7110	< 100
Aluminum (F)	< 100	< 100

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Aluminum	NA	2190	126 J23
Aluminum (F)	< 141.000	< 25.0	< 100

DAEGW08

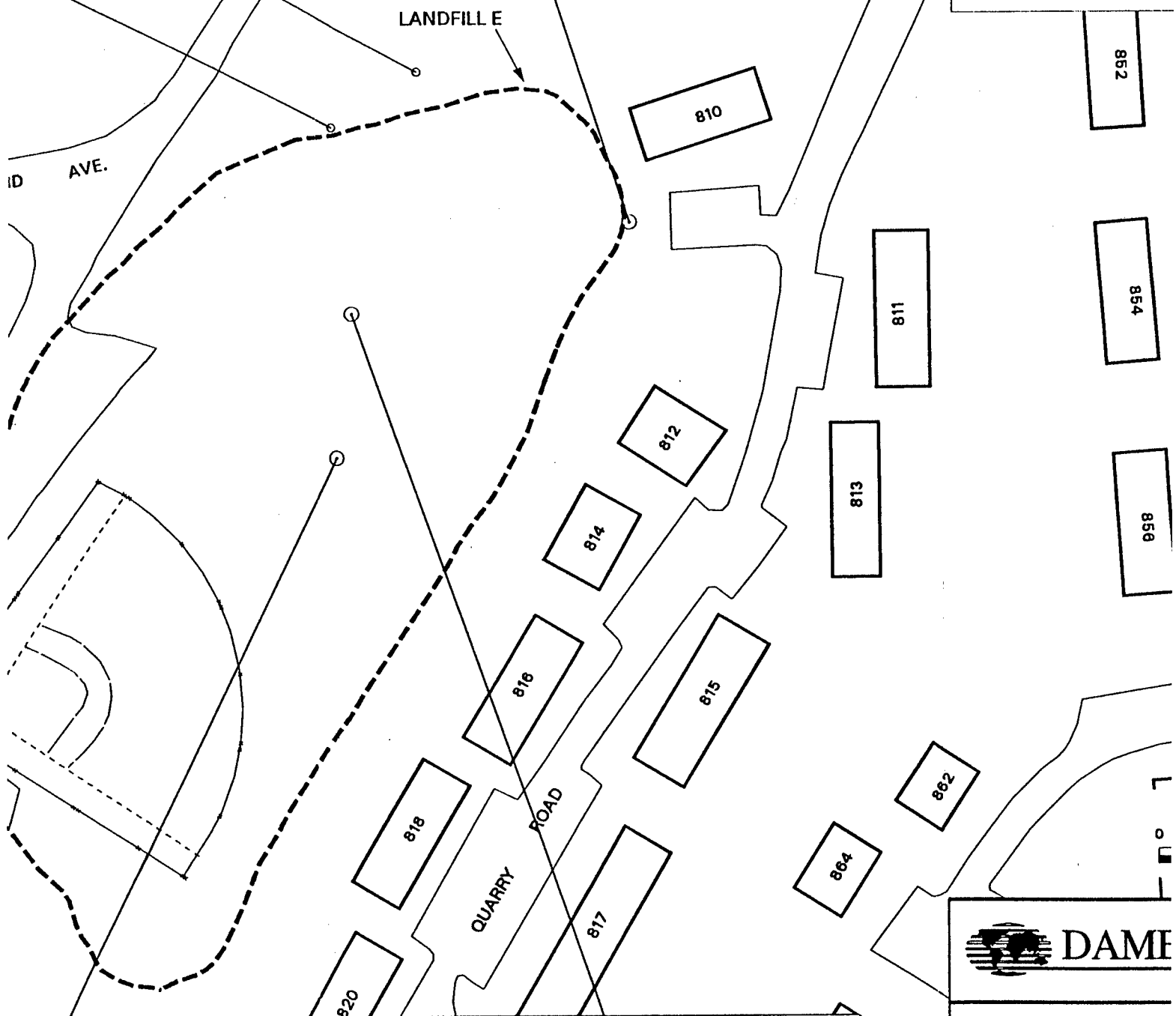
Follow-on RI	Jan 1996 Qtr
10	< 100
100	< 100

DAEGW04

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Aluminum	NA	1160	< 100
Aluminum (F)	< 141.000	< 25.0	< 100

MONITORIN
MONITORIN
SAMPLES

- NOTES: 1. ALL CONCENTRATIONS ARE INCLUDED / SECTION.
2. DATA FOOTNOTES ARE INCLUDED / SECTION.
3. (F) INDICATES
4. NA = NOT AVAILABLE



DAEGW03

Suppl. RI	Follow-on RI	Jan 1996 Qtr
2190	126 J23	< 100
000	< 25.0	< 100

DAEGW05

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Aluminum	NA	4860	< 100
Aluminum (F)	< 141.000	< 25.0	< 100



CONCENTRATIONS OF

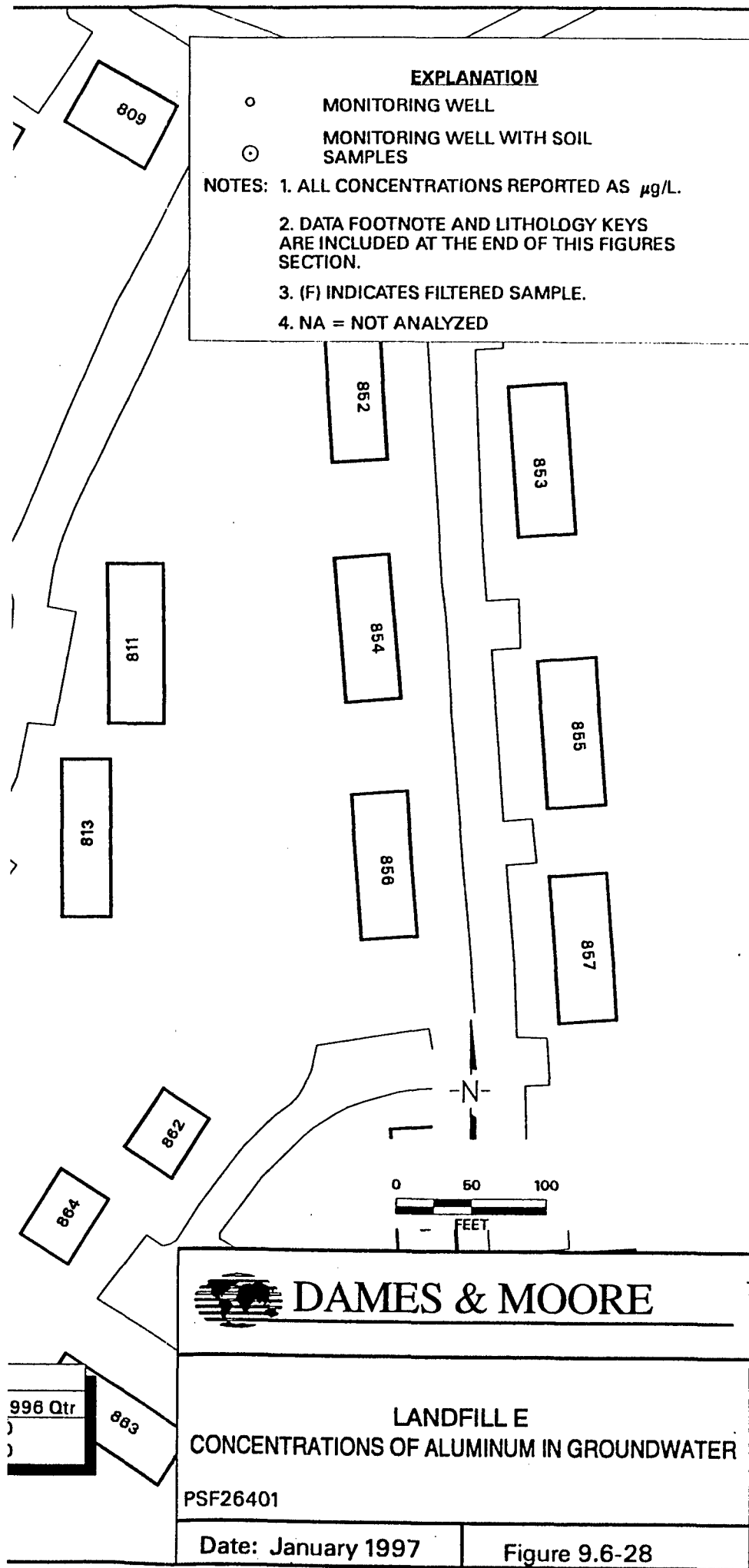
PSF26401

Date: January 199

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED



DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	62.3	92
Barium (F)	< 50	93

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	113	110
Barium (F)	64.8	110

Ana
Barium
Barium

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Barium	< 50	80
Barium (F)	< 50	71

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	103	82
Barium (F)	73.700	78.0	75

Jan 1996 Qtr
110
110

DAEGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	69.0	31
Barium (F)	31.200	38.0	27

2

○

○

MONITORING WELL

MONITORING WELL WITH SAMPLES

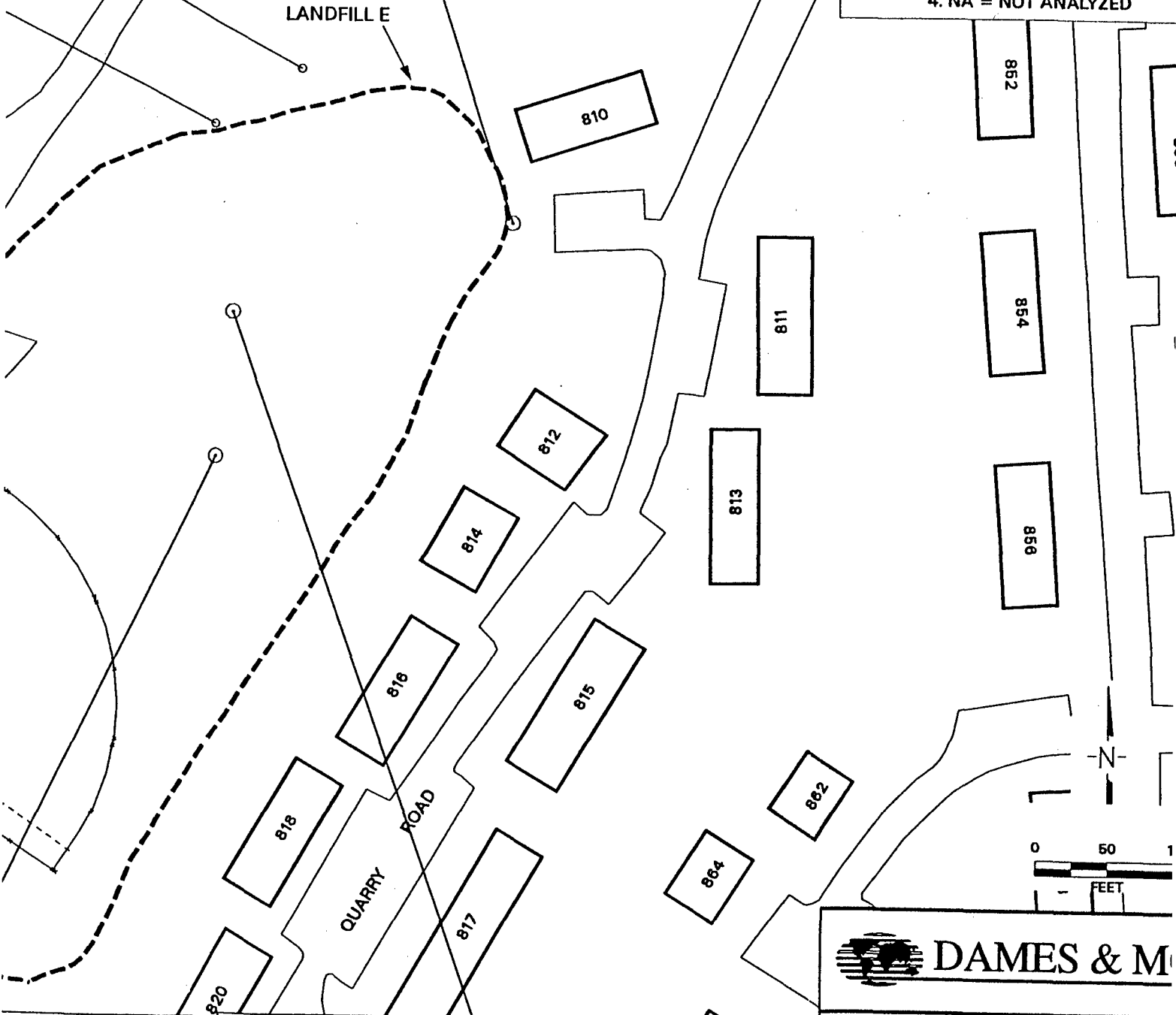
NOTES:

1. ALL CONCENTRATIONS REF

2. DATA FOOTNOTE AND LITH ARE INCLUDED AT THE END OF SECTION.

3. (F) INDICATES FILTERED SAMPLE

4. NA = NOT ANALYZED



Follow-on RI	Jan 1996 Qtr
82	75

DAEGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Barium	NA	121	73
Barium (F)	91.700	72.0	67

DAMES & MOORE

LANDFILL E

CONCENTRATIONS OF BARIUM IN

PSF26403

Date: January 1997

Figure

EXPLANATION

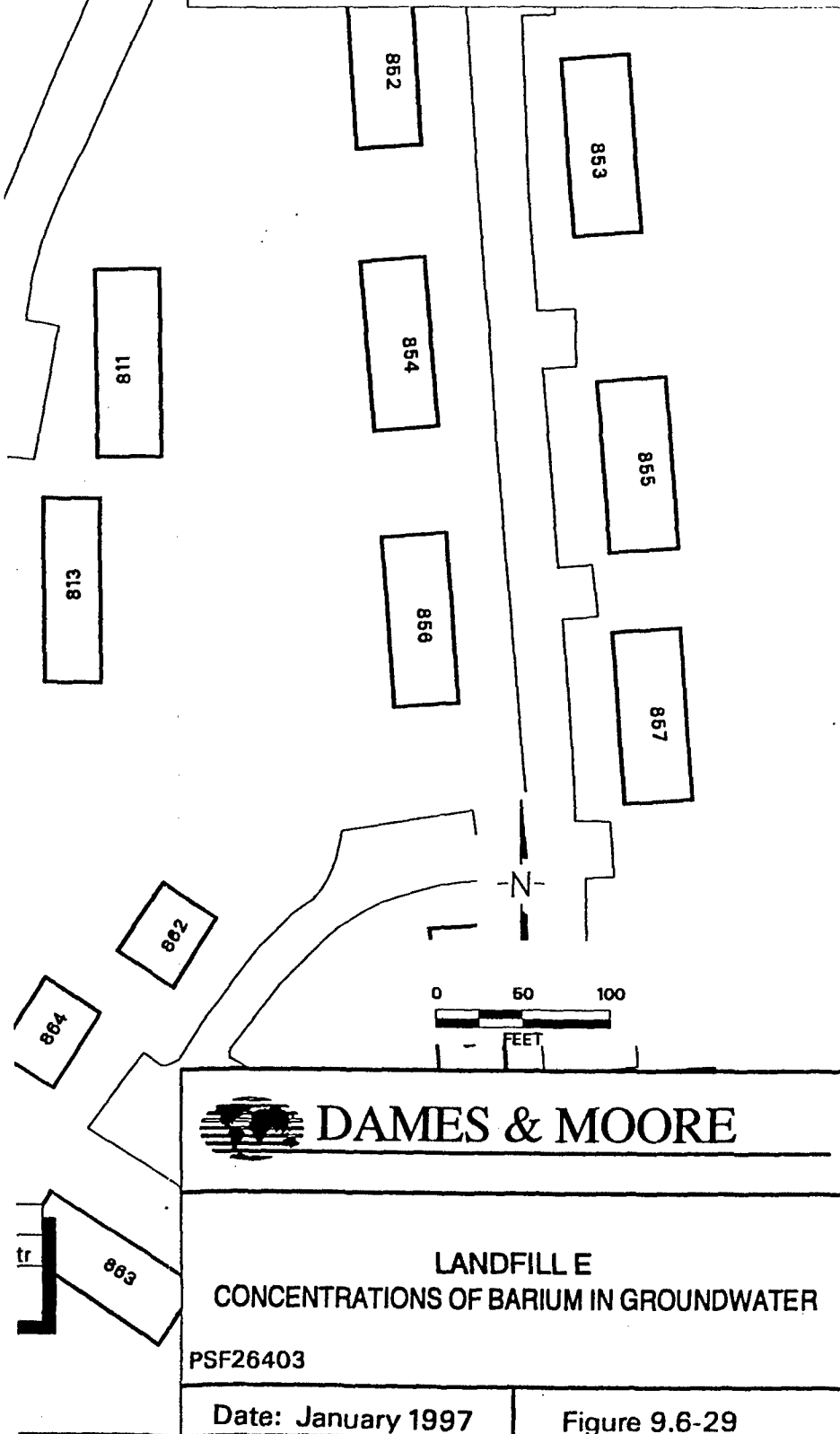
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

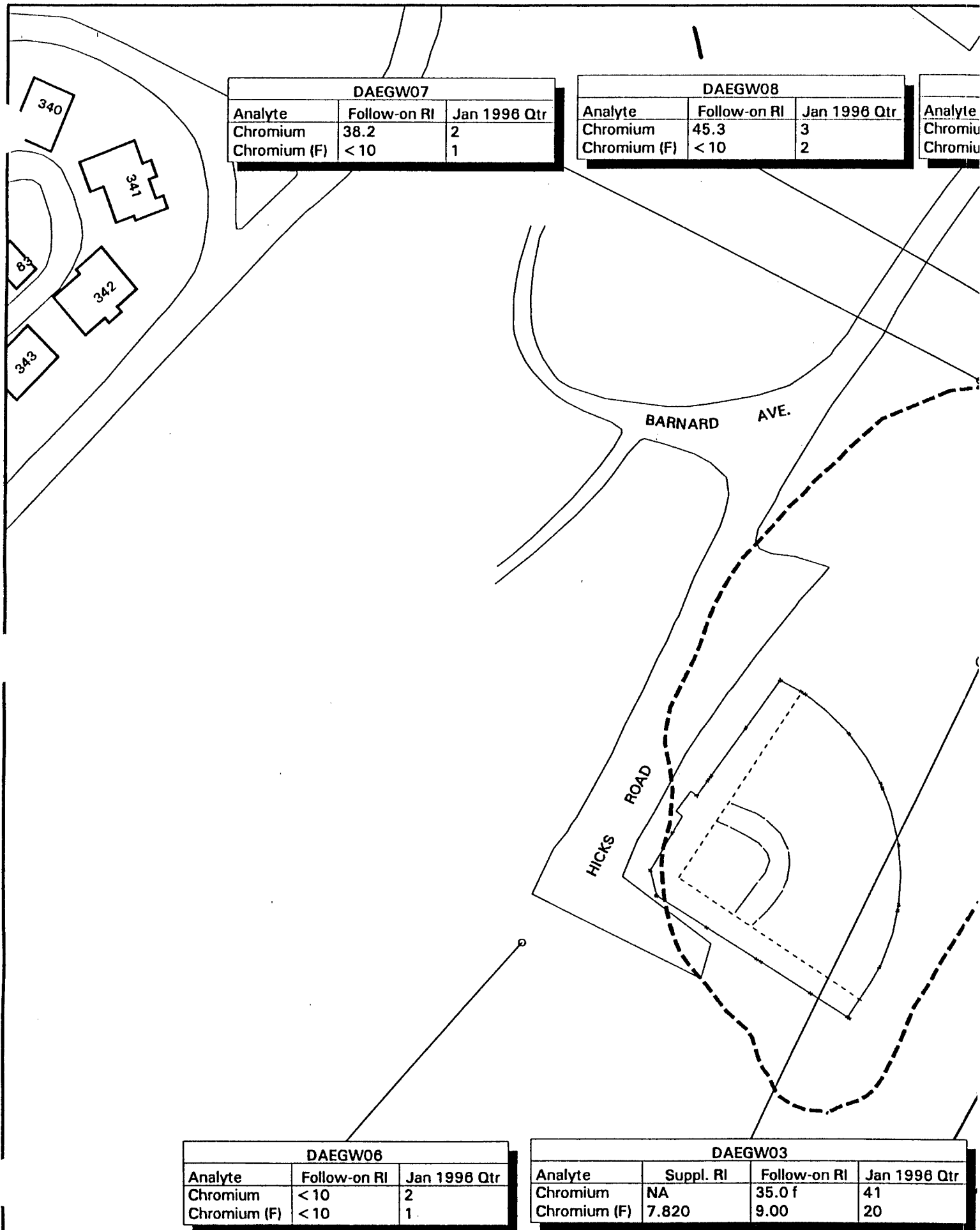
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED



17 Sep 96 09:06:20 Tuesday 11x17 v3 arml plotfile base_LFE_W_7 gsm PSF



DAEGW04				
1996 Qtr	Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
	Chromium	NA	4180	24
	Chromium (F)	14.800	18.0	12

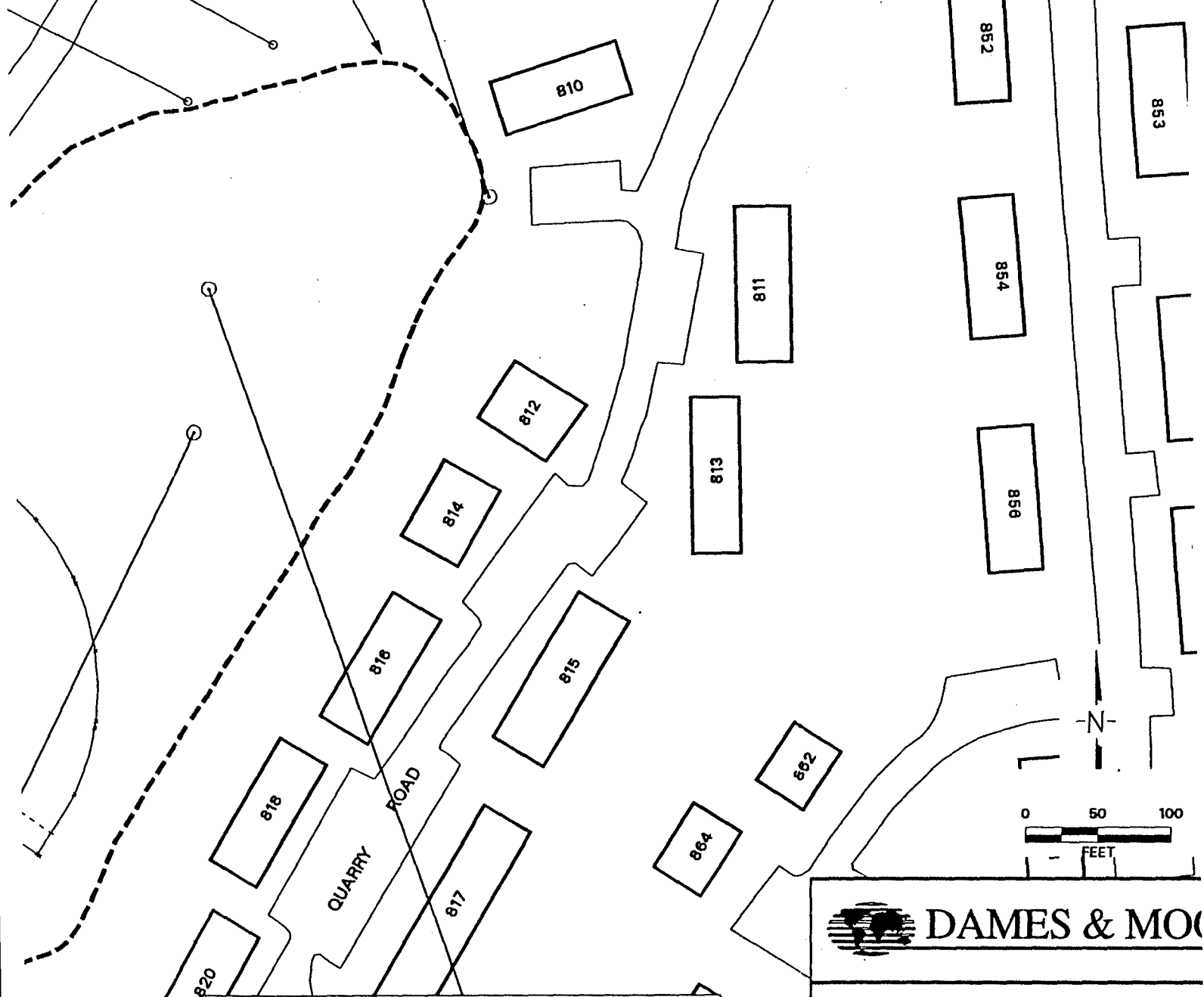
2

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORT
 2. DATA FOOTNOTE AND LITHOLC ARE INCLUDED AT THE END OF T1 SECTION.
 3. (F) INDICATES FILTERED SAMPL
 4. NA = NOT ANALYZED

LANDFILL E



DAEGW05				
RI	Jan 1996 Qtr	Analyte	Suppl. RI	Follow-on RI
41		Chromium	NA	9120
20		Chromium (F)	< 6.020	14.0

 DAMES & MOORE

LANDFILL E
 CONCENTRATIONS OF CHROMIUM IN C

PSF26407

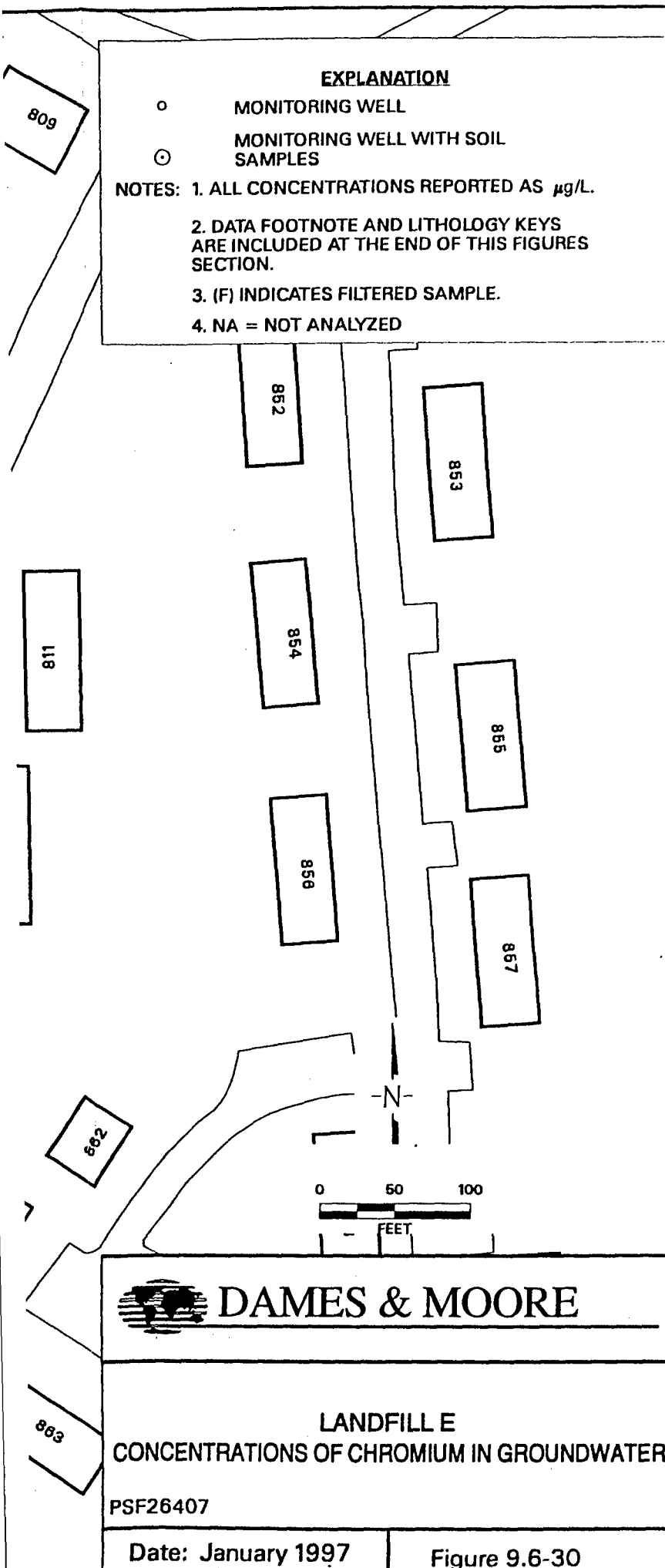
Date: January 1997

Figure

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

**DAMES & MOORE**

LANDFILL E
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER

PSF26407

Date: January 1997

Figure 9.6-30

17 Sep 98 09:10:12 Tuesday, 11/11/17/13/AMT, PHOTOCOPY, LIFE, W, 12 gpa, FOR

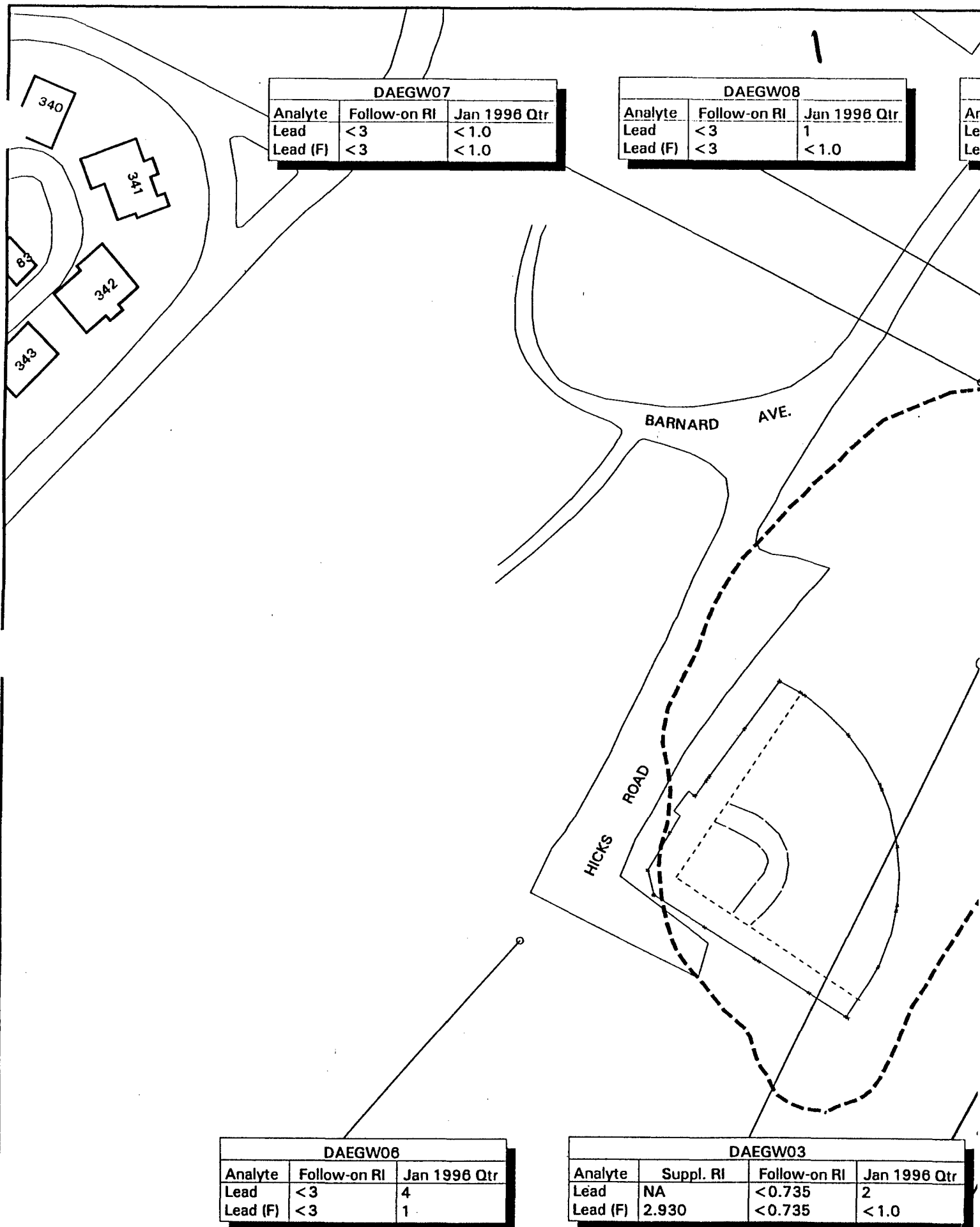


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

W08	
RI	Jan 1996 Qtr
1	< 1.0

DAEGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	4.00	2
Lead (F)	< 1.260	< 0.735	< 1.0

2

EXPLAN

MONITORING WELL

MONITORING WELL
SAMPLES

NOTES: 1. ALL CONCENTRATION

2. DATA FOOTNOTE AND
ARE INCLUDED AT THE E
SECTION.

3. (F) INDICATES FILTERE

4. NA = NOT ANALYZED

LANDFILL E

VE.

810

852

854

856

818

813

815

812

814

816

818

817

QUARRY ROAD

820

862

864

863

W03	
Follow-on RI	Jan 1996 Qtr
0.735	2
0.735	< 1.0

DAEGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Lead	NA	4.39	1
Lead (F)	< 1.260	< 0.735	< 1.0



LANDFIL
CONCENTRATIONS OF LEA

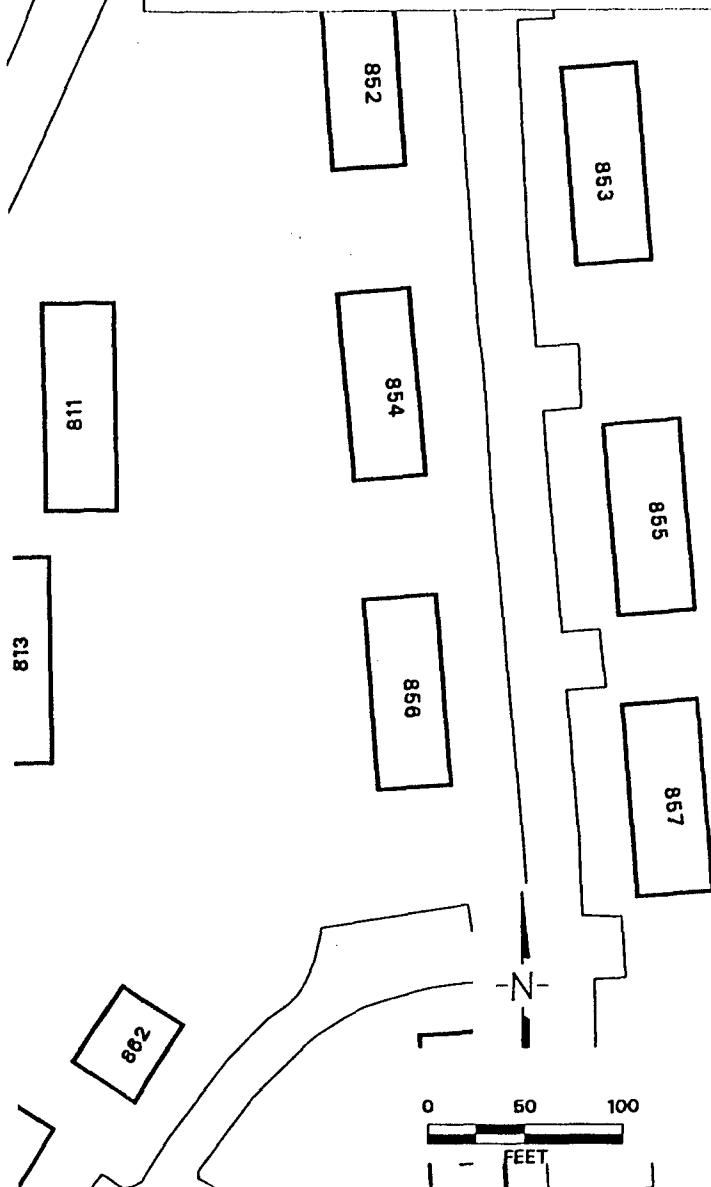
PSF26415

Date: January 1997

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

**DAMES & MOORE**

LANDFILL E
CONCENTRATIONS OF LEAD IN GROUNDWATER

PSF26415

Date: January 1997

Figure 9.6-31

DAEGW07		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	62	22
Nickel (F)	19.4	21

DAEGW08		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	109	39
Nickel (F)	28.2	38

Ani
Nic
Nic

DAEGW06		
Analyte	Follow-on RI	Jan 1996 Qtr
Nickel	23.6	7
Nickel (F)	< 11.7	< 5.0

DAEGW03			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	< 34.300	22.1	21
Nickel (F)	13.100 d	12.3	11

8	Jan 1996 Qtr
39	
38	

DAEGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	16.500 d	309 a	1130
Nickel (F)	NA	281 a	956

2

EXPLANATION

MONITORING WELL

MONITORING WELL W
SAMPLES

NOTES: 1. ALL CONCENTRATIONS F

2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.

3. (F) INDICATES FILTERED S

4. NA = NOT ANALYZED

LANDFILL E

810

811

812

814

816

815

817

820

QUARRY ROAD

852

854

856

813

862

864

863

N

0 50
FEET



DAMES & M

13	Jan 1996 Qtr
21	
11	

DAEGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	22.900 d	35.0	65
Nickel (F)	NA	30.0	61

LANDFILL E
CONCENTRATIONS OF NICKEL

PSF26413

Date: January 1997 12 Fi

EXPLANATION

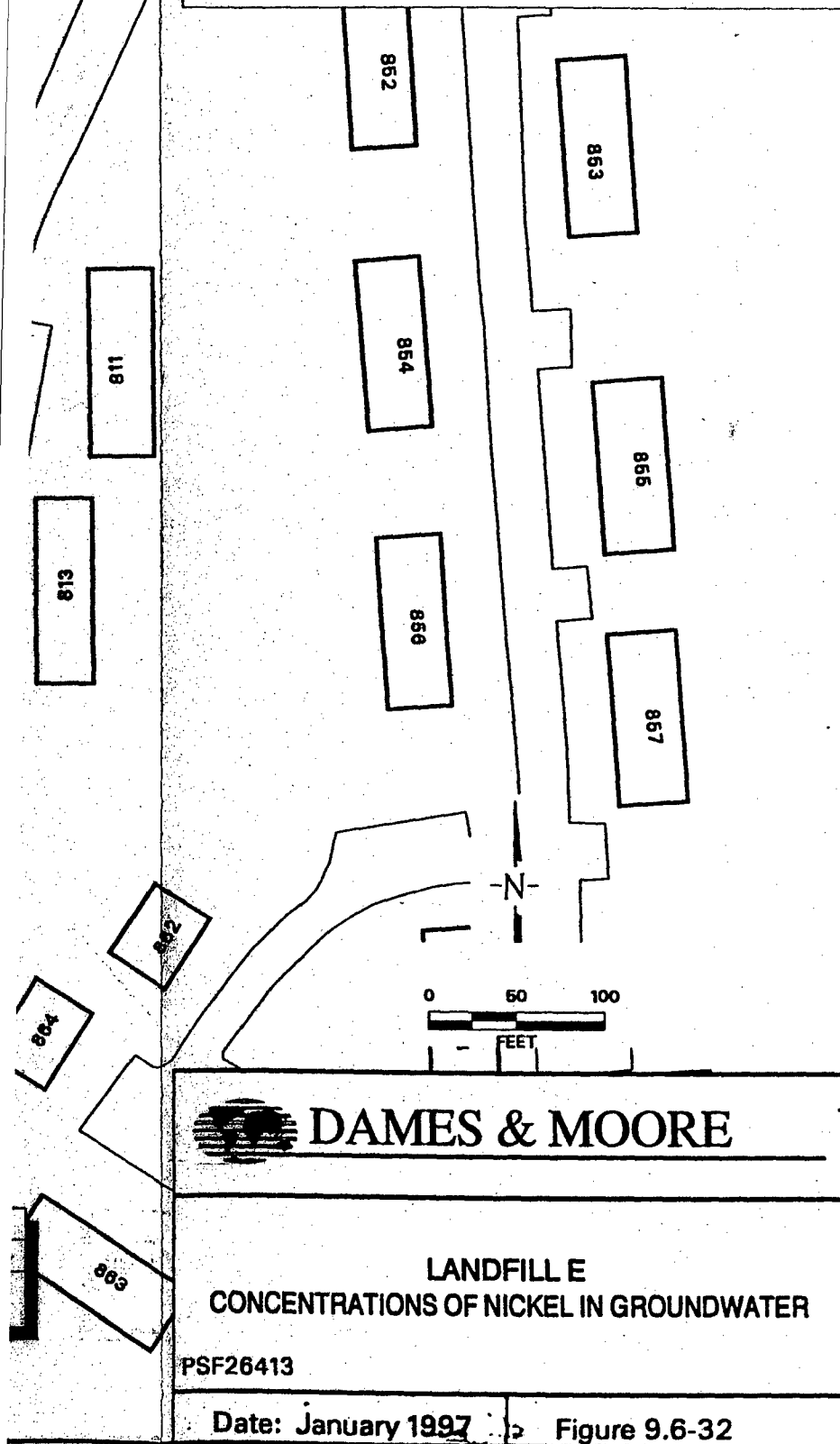
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

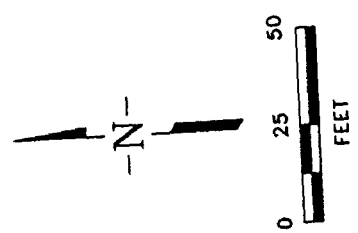
3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED



EXPLANATION

- △ SURFACE SOIL SAMPLE
- SOIL BORING
- φ DISCRETE GROUNDWATER SAMPLE
- ▲ STORM DRAIN WITH FLOW DIRECTION
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS
- ▩ STAINED AREA
- 75— TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL 5 FEET
- ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

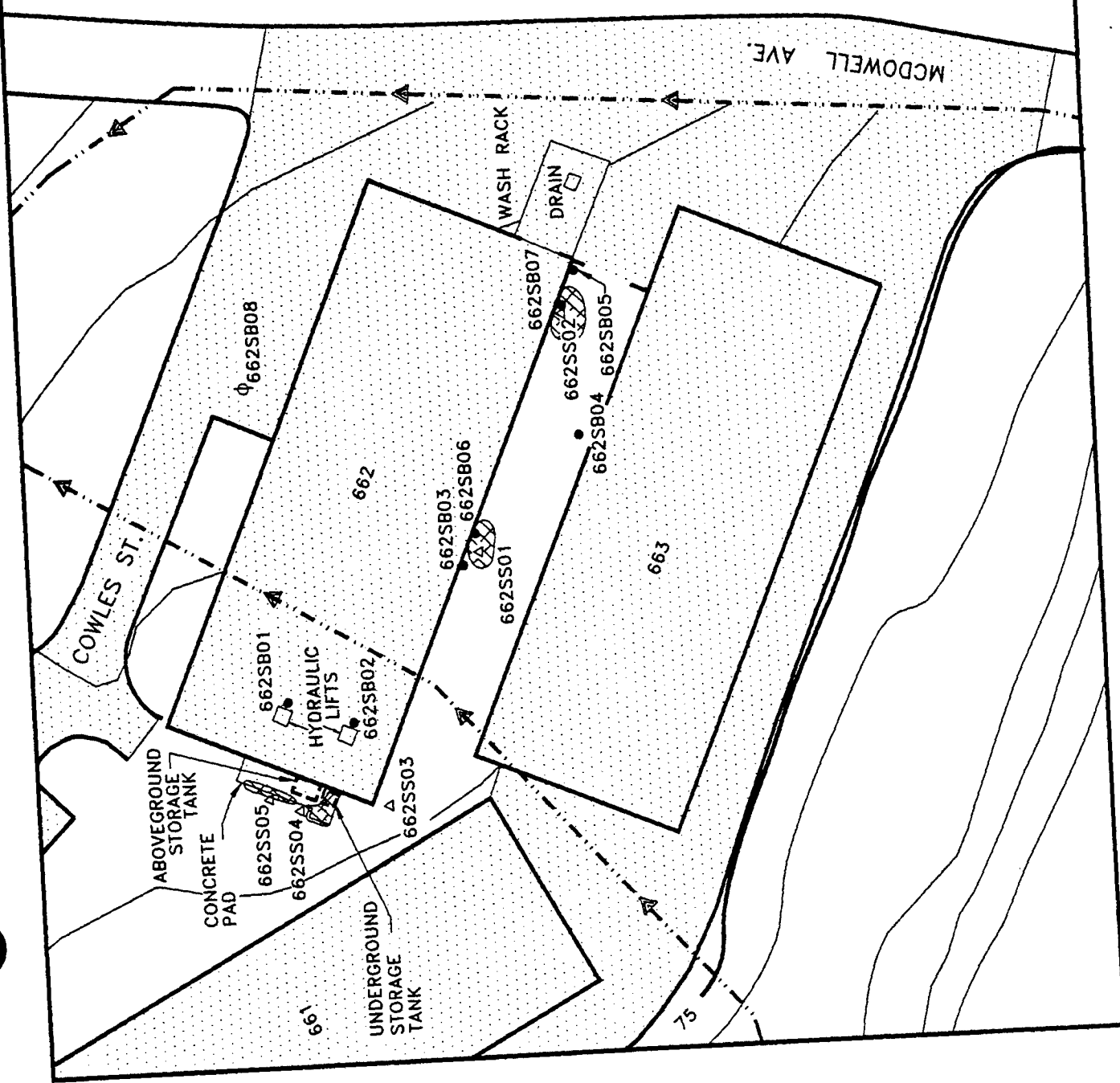


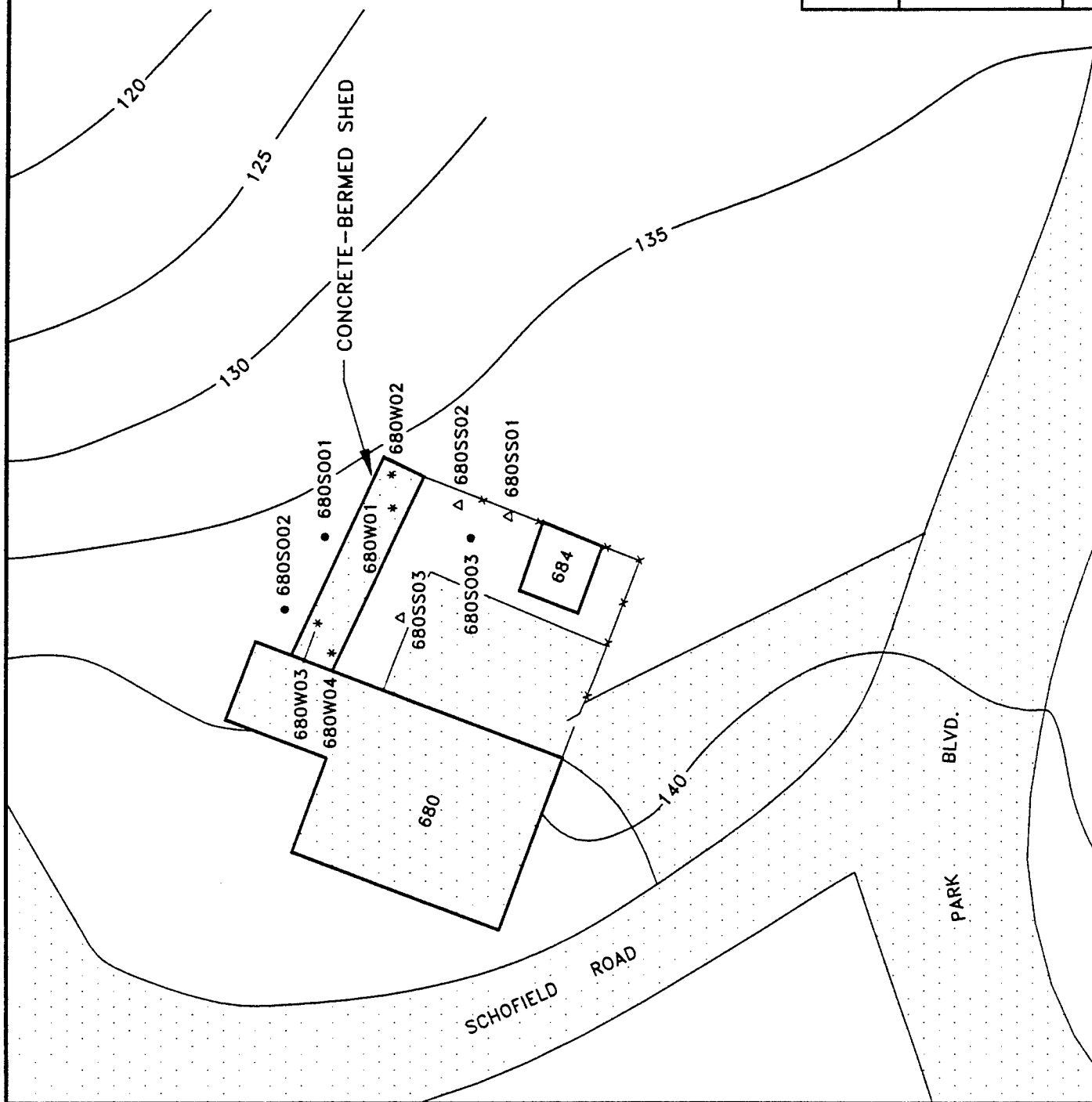
DAMES & MOORE

MISCELLANEOUS SITES
BUILDING 662
SAMPLE LOCATIONS

PSF25042/DV2

Date: January 1997 Figure 10.1-1





EXPLANATION

* WIPE SAMPLE

Δ SURFACE SOIL SAMPLE

• SOIL BORING

125 ——— TOPOGRAPHIC
CONTOUR

■ SURFACES COVERED BY
PAVEMENT OR BUILDINGS

CONTOUR INTERVAL 5 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



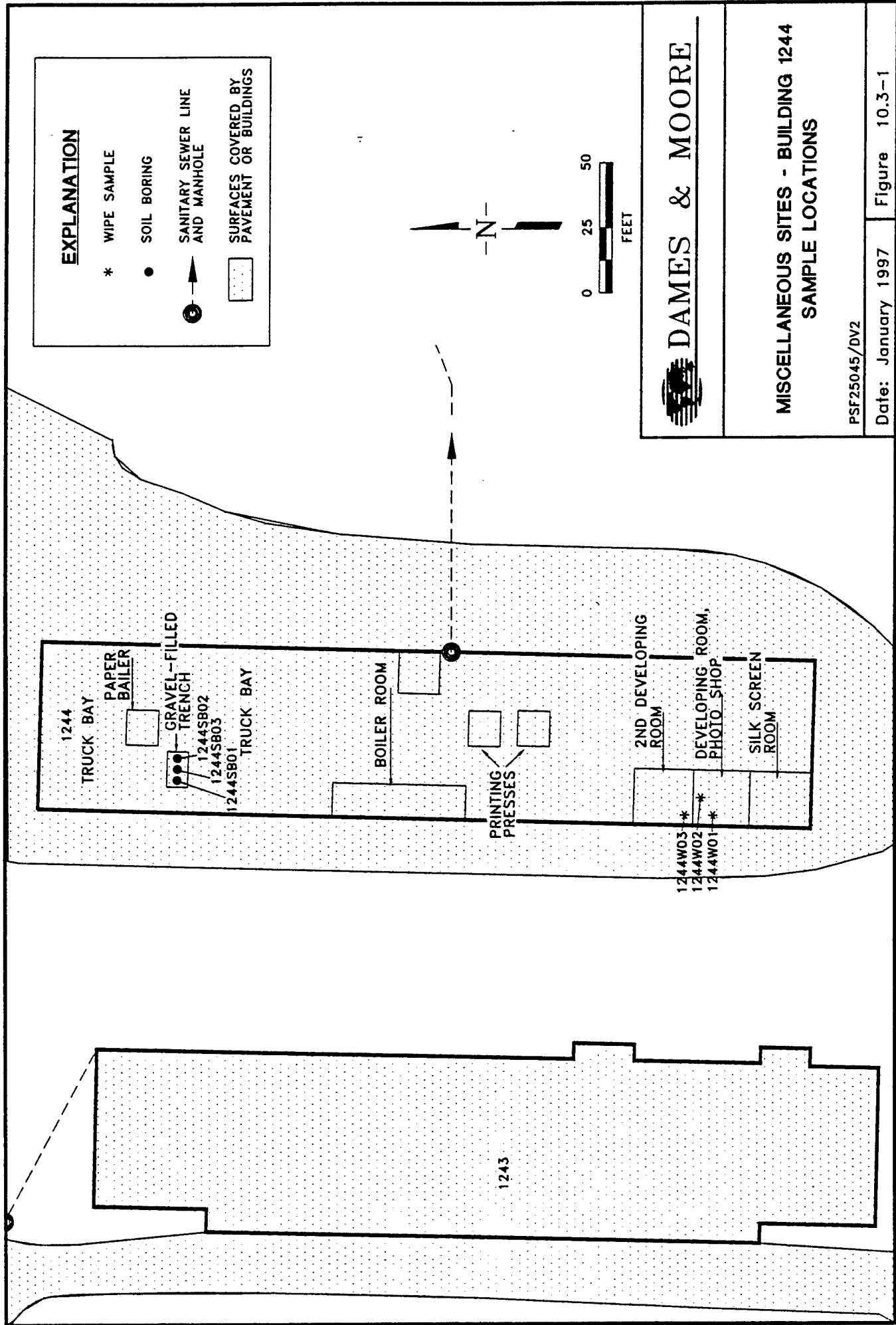
DAMES & MOORE

**MISCELLANEOUS SITES-BUILDING 680
SAMPLE LOCATIONS**

PSF25114/DV2

Date: January 1997

Figure 10.2-1



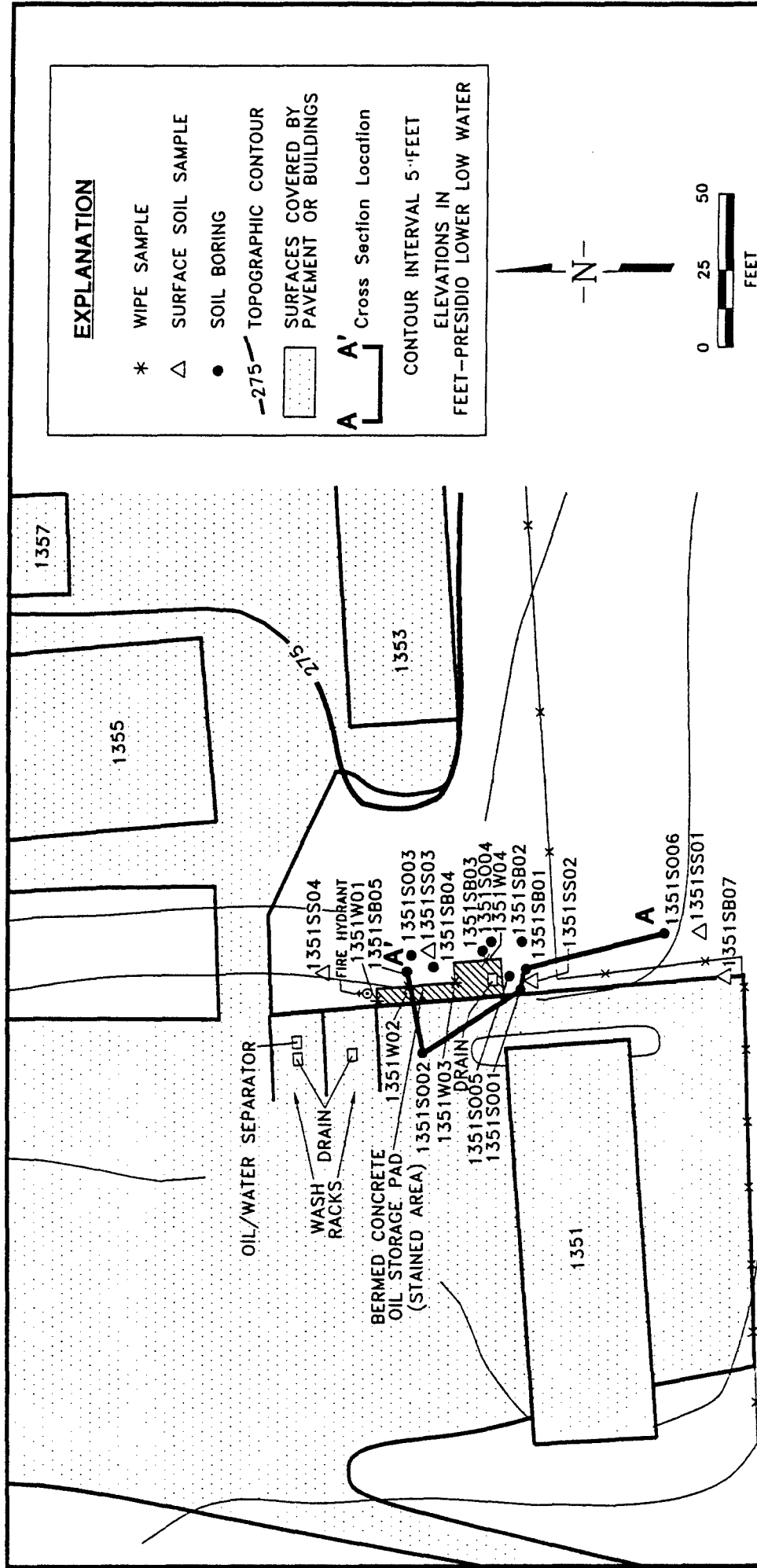
DAMES & MOORE

**MISCELLANEOUS SITES - BUILDING 1244
SAMPLE LOCATIONS**

PSF25045/DV2

Date: January 1997

Figure 10.3-1



EXPLANATION

- * WIPE SAMPLE
- △ SURFACE SOIL SAMPLE
- SOIL BORING
- 275- TOPOGRAPHIC CONTOUR
- [Patterned Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- A A' Cross Section Location
- CONTOUR INTERVAL 5-FOOT
- ELEVATIONS IN FEET—PRESIDIO LOWER LOW WATER

DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351

SAMPLE AND CROSS SECTION LOCATIONS

PSF25025/DV1

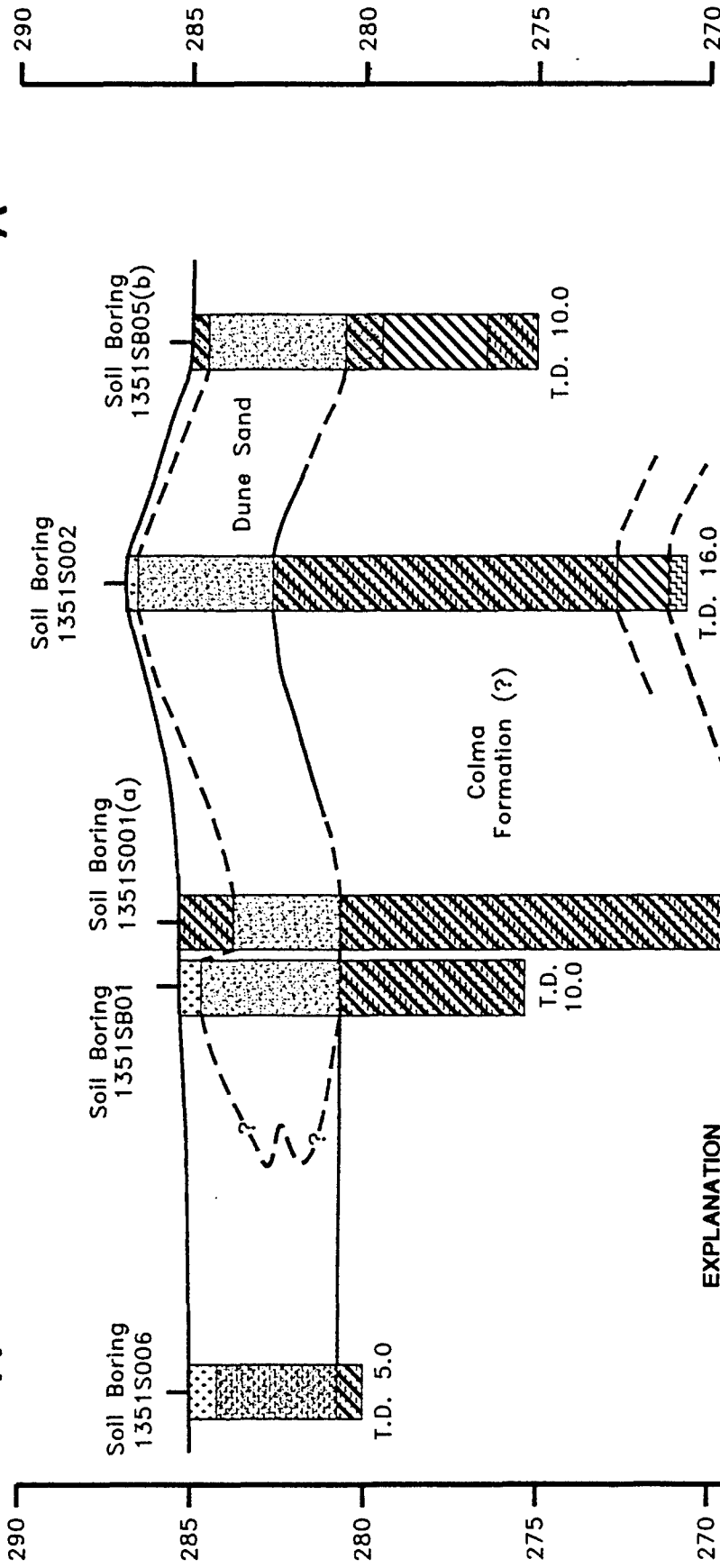
Date: January 1997

Figure 10.4-1

Elevation
(ft-PLL)
**South
A**

**North
A'**

Elevation
(ft-PLL)



EXPLANATION

- Artificial Fill
- Organic Matter
- Clay
- Silt
- Sand
- Serpentinite
- Contact, dashed where inferred
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- (a) Distance/elevation interpolated from Figure 10.4-1
- (b) Distance interpolated from Figure 10.4-1

DAMES & MOORE

**MISCELLANEOUS SITES
BUILDING 1351
CROSS SECTION A-A'**

PSF25196\DV1

Date: January 1997 Figure 10.4-2

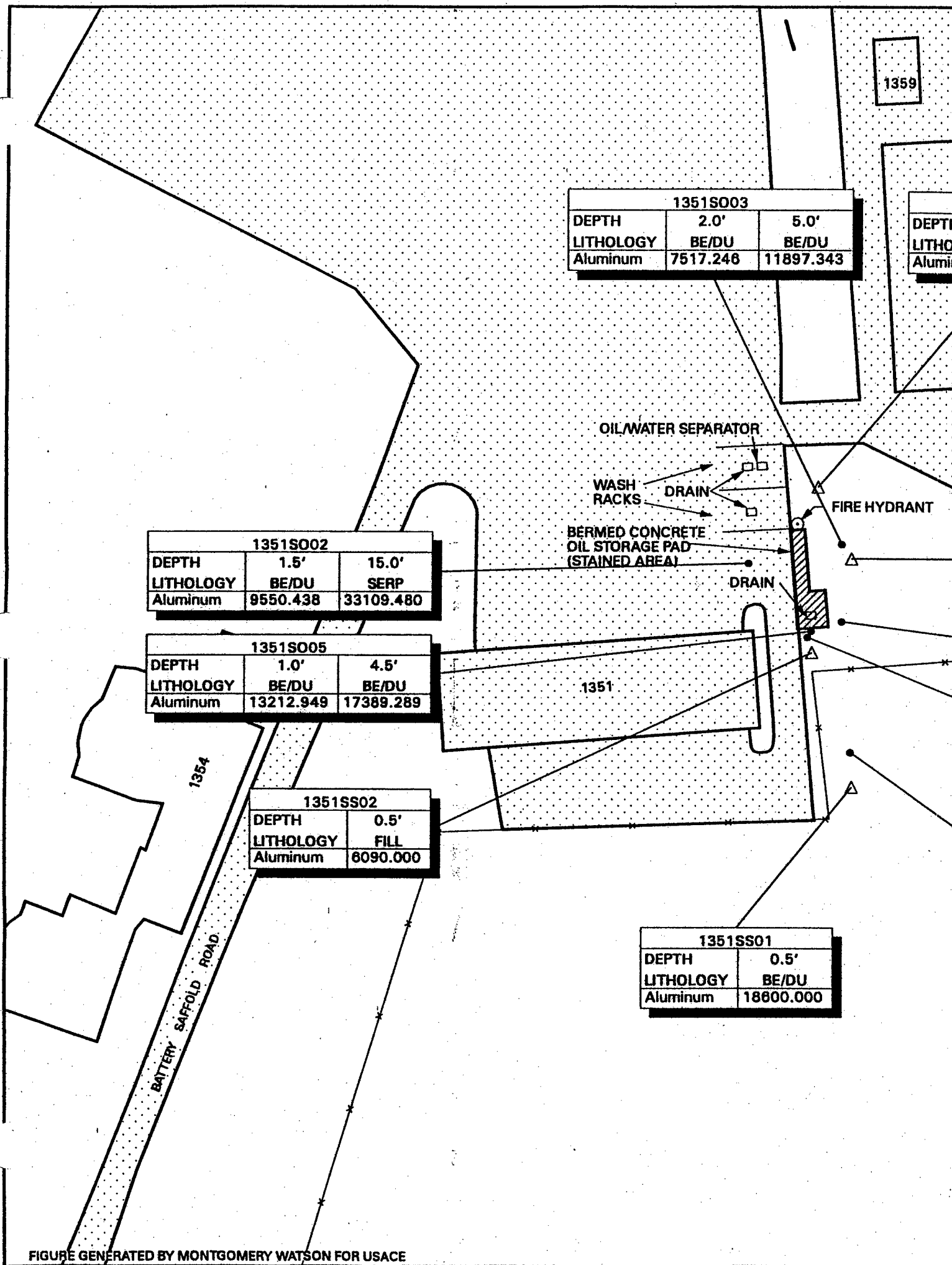
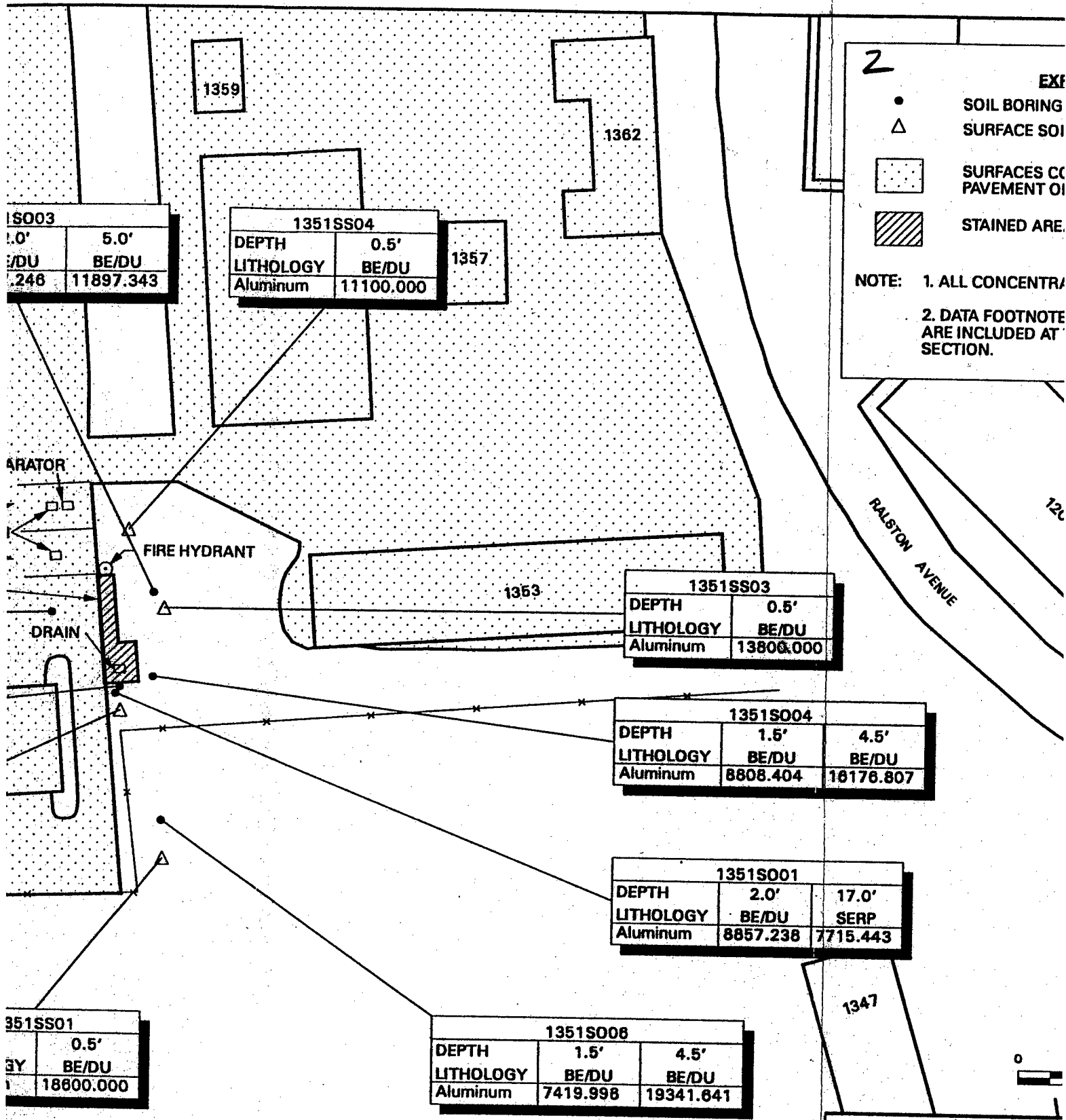


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE





MISCELLANEOUS
CONCENTRATIONS

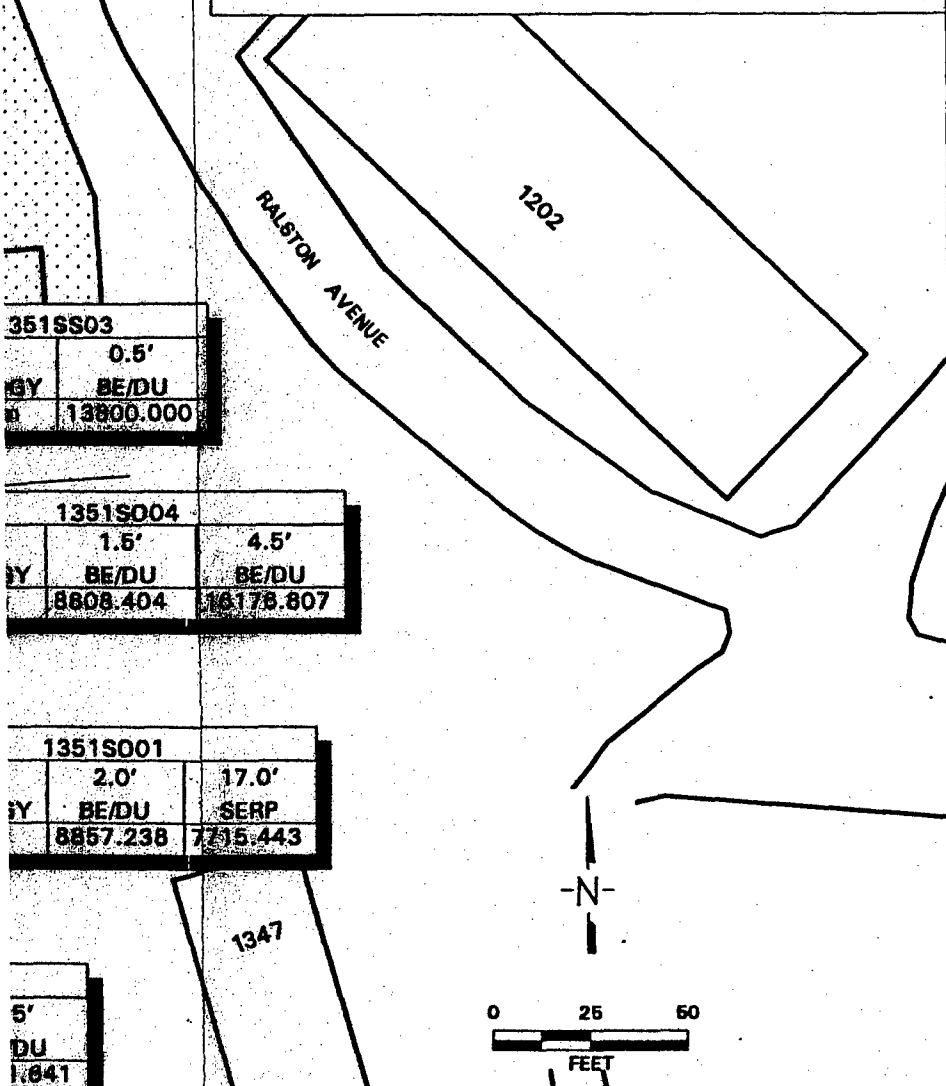
PSF26423

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
 CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26423

Date: January 1997

Figure 10.4-3

29 Aug 95 08:48:26 Thursday 117_00.aml, profile base, B1351_S_4.gra, PDF

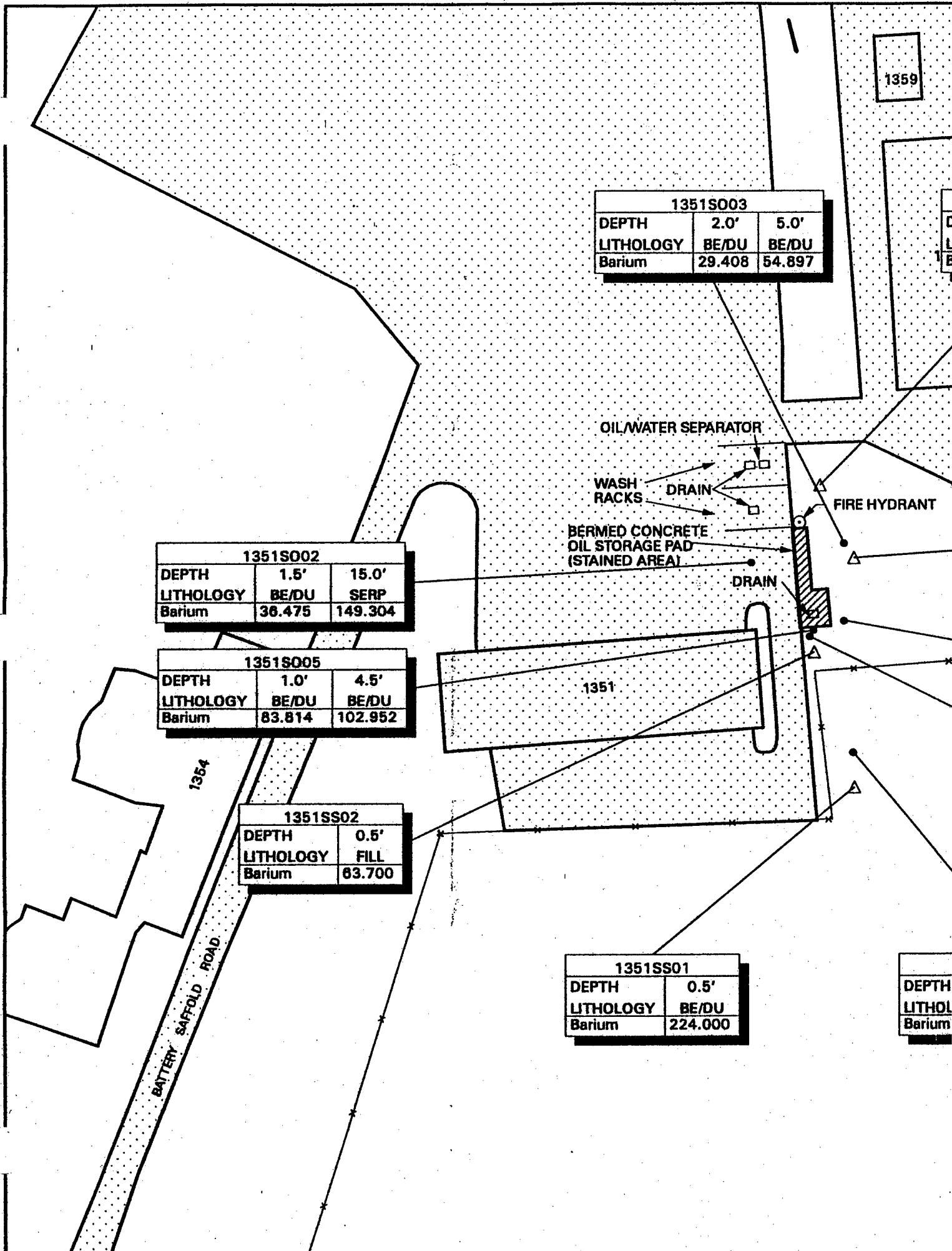
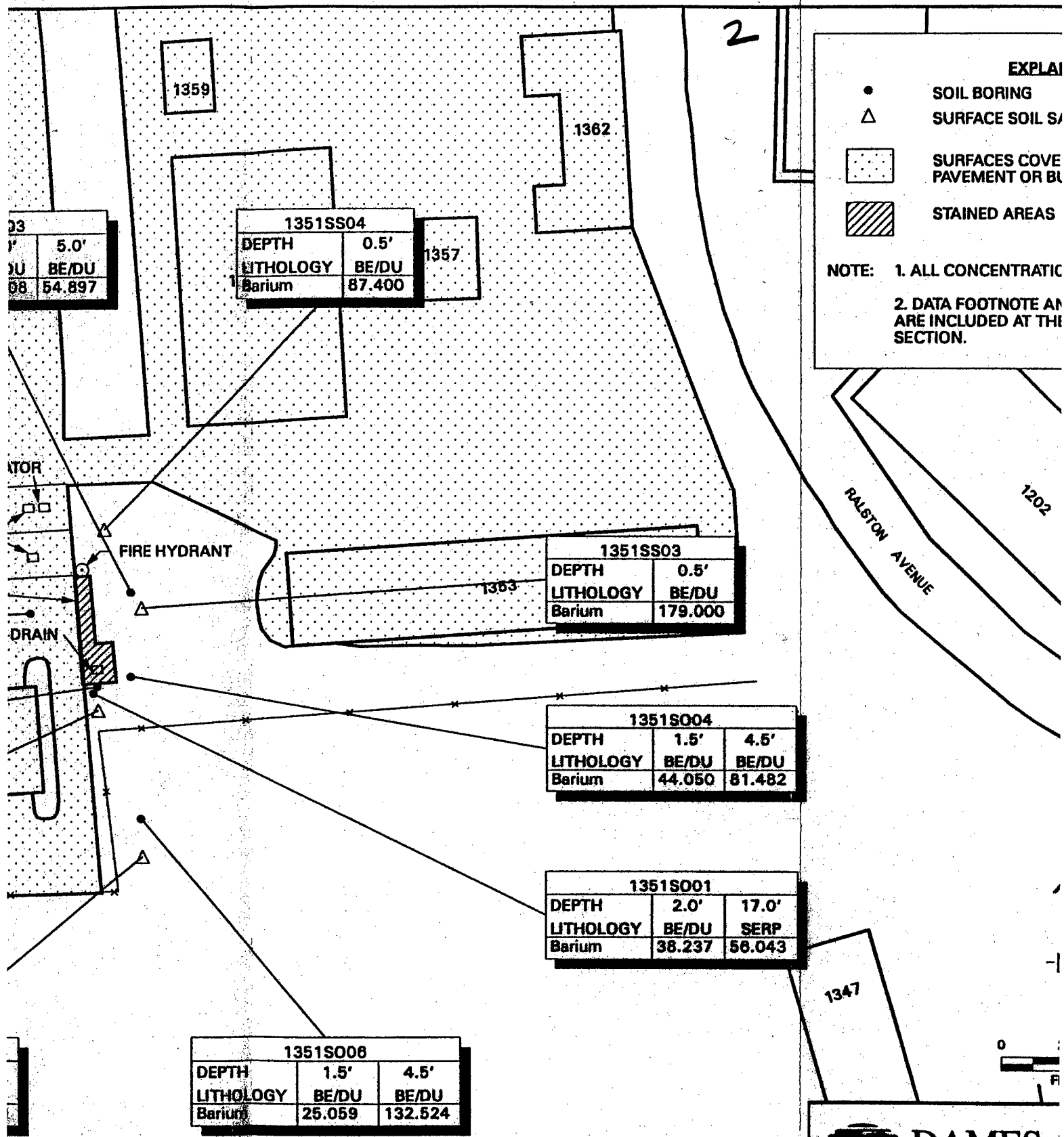


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



MISCELLANEOUS SITE
CONCENTRATIONS

PSF26424

Date: January 1997

EXPLANATION



SOIL BORING



SURFACE SOIL SAMPLE



SURFACES COVERED BY
PAVEMENT OR BUILDINGS



STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

RALSTON AVENUE

1202

1347



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF BARIUM IN SOIL

PSF26424

Date: January 1997

Figure 10.4-4

24	4.5'
MU	BE/DU
50	81.482

01	17.0'
DU	SERP
37	58.043

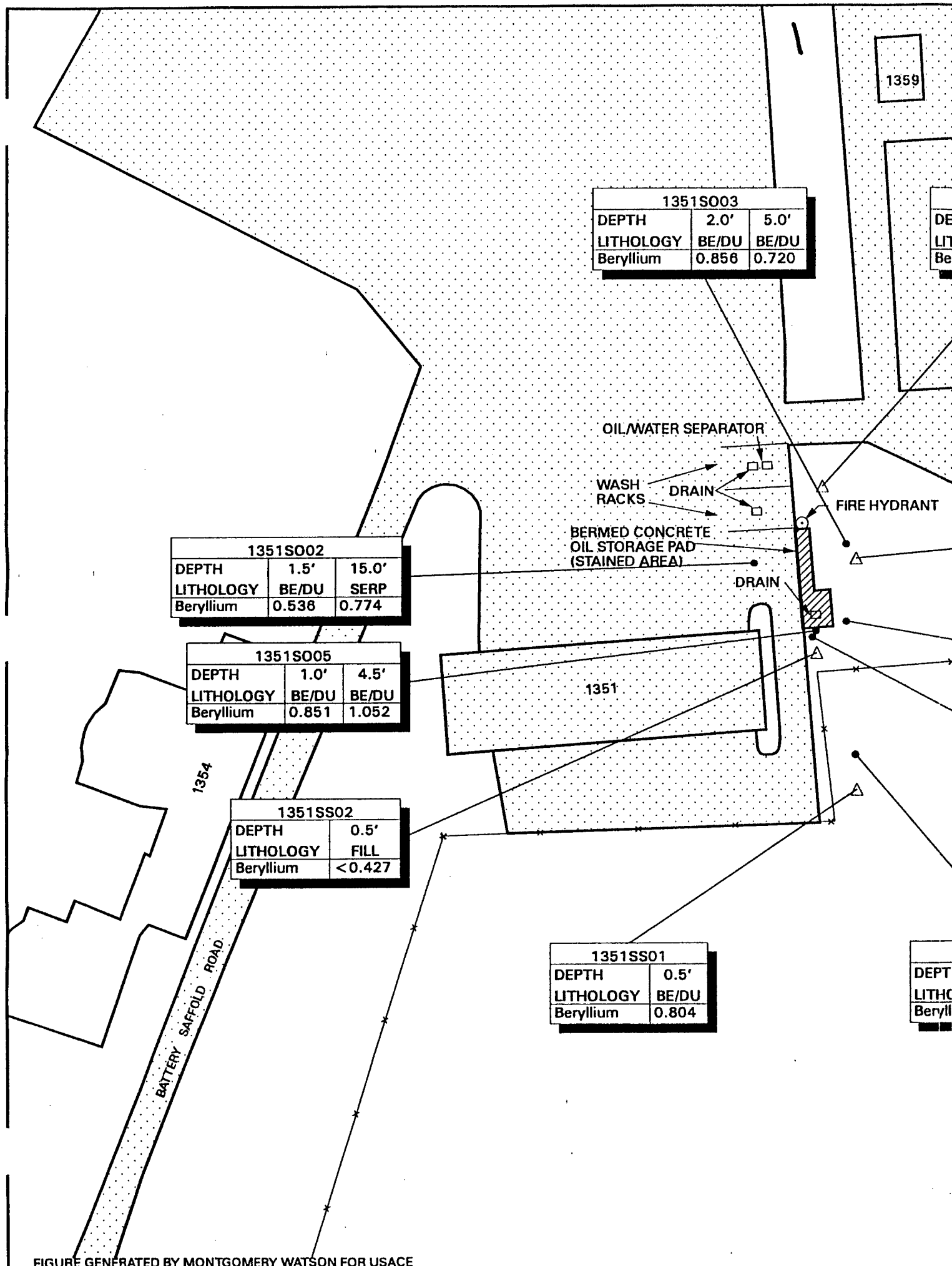
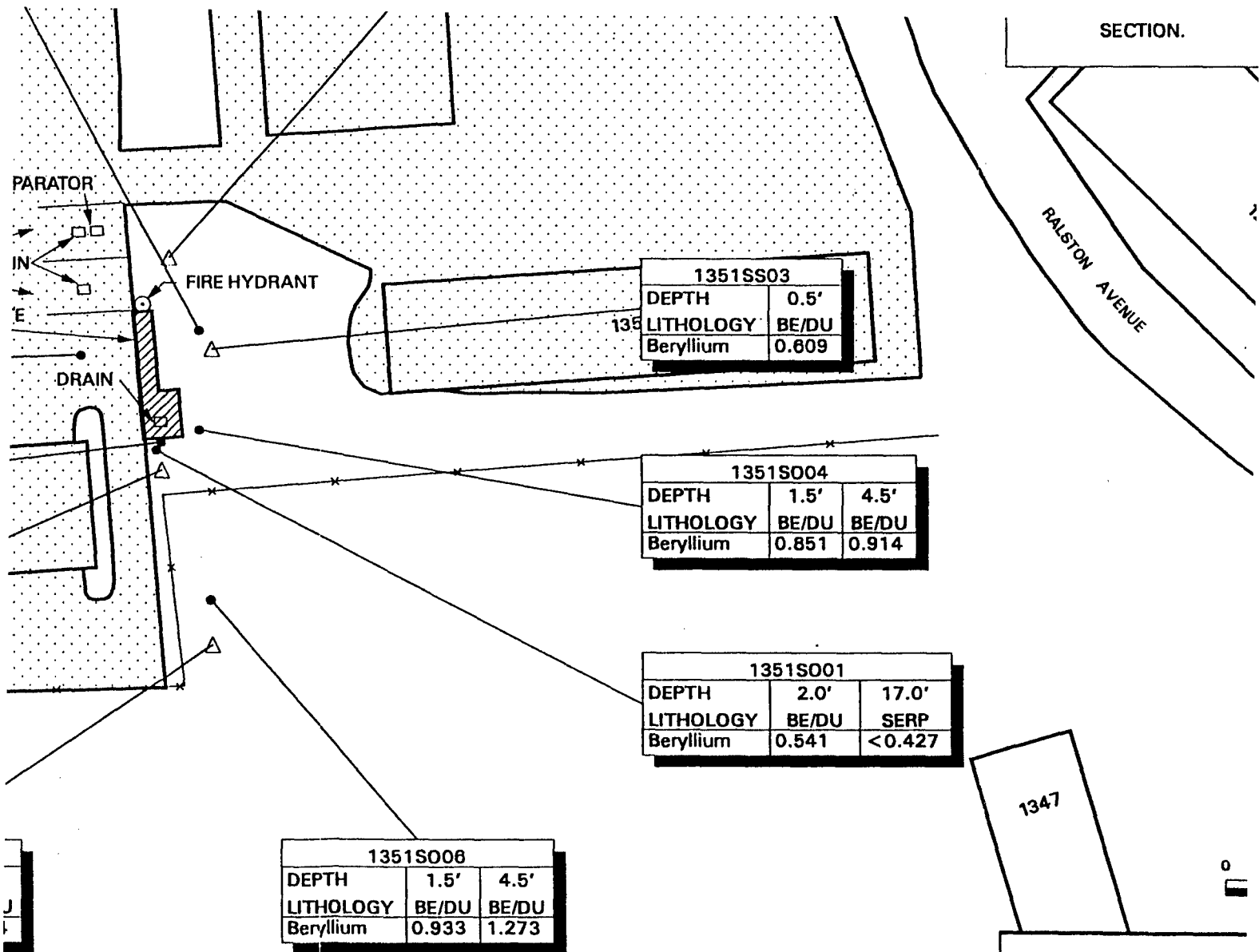


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE





MISCELLANEOUS
CONCENTRATIONS

PSF26425

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

RALSTON AVENUE

1202

1347



0 25 50
FEET



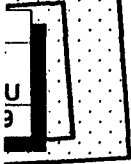
DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF BERYLLIUM IN SOIL

PSF26425

Date: January 1997

Figure 10.4-5



4	4.5'
DU	BE/DU
1	0.914

001	17.0'
0'	SERP
DU	<0.427
1	

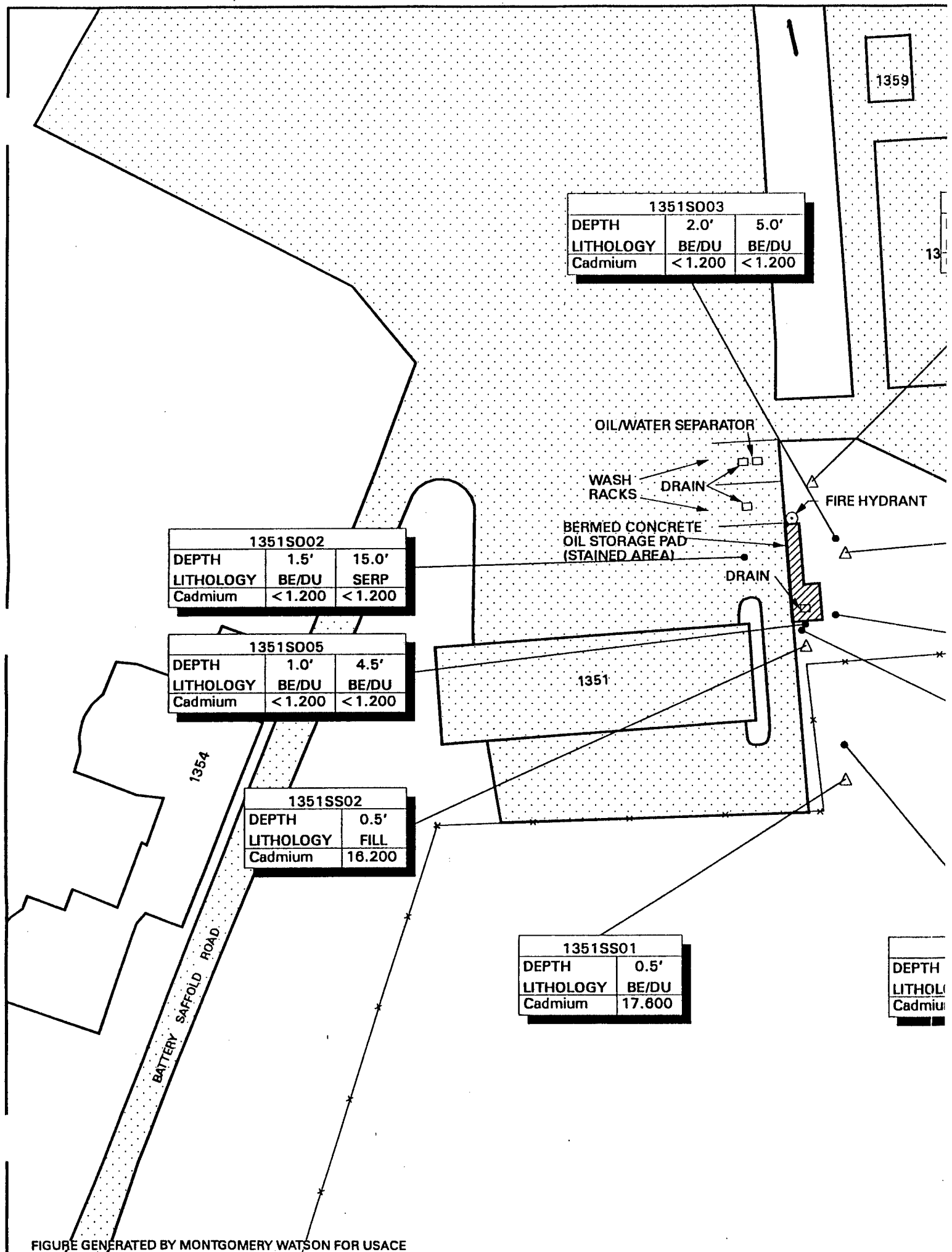


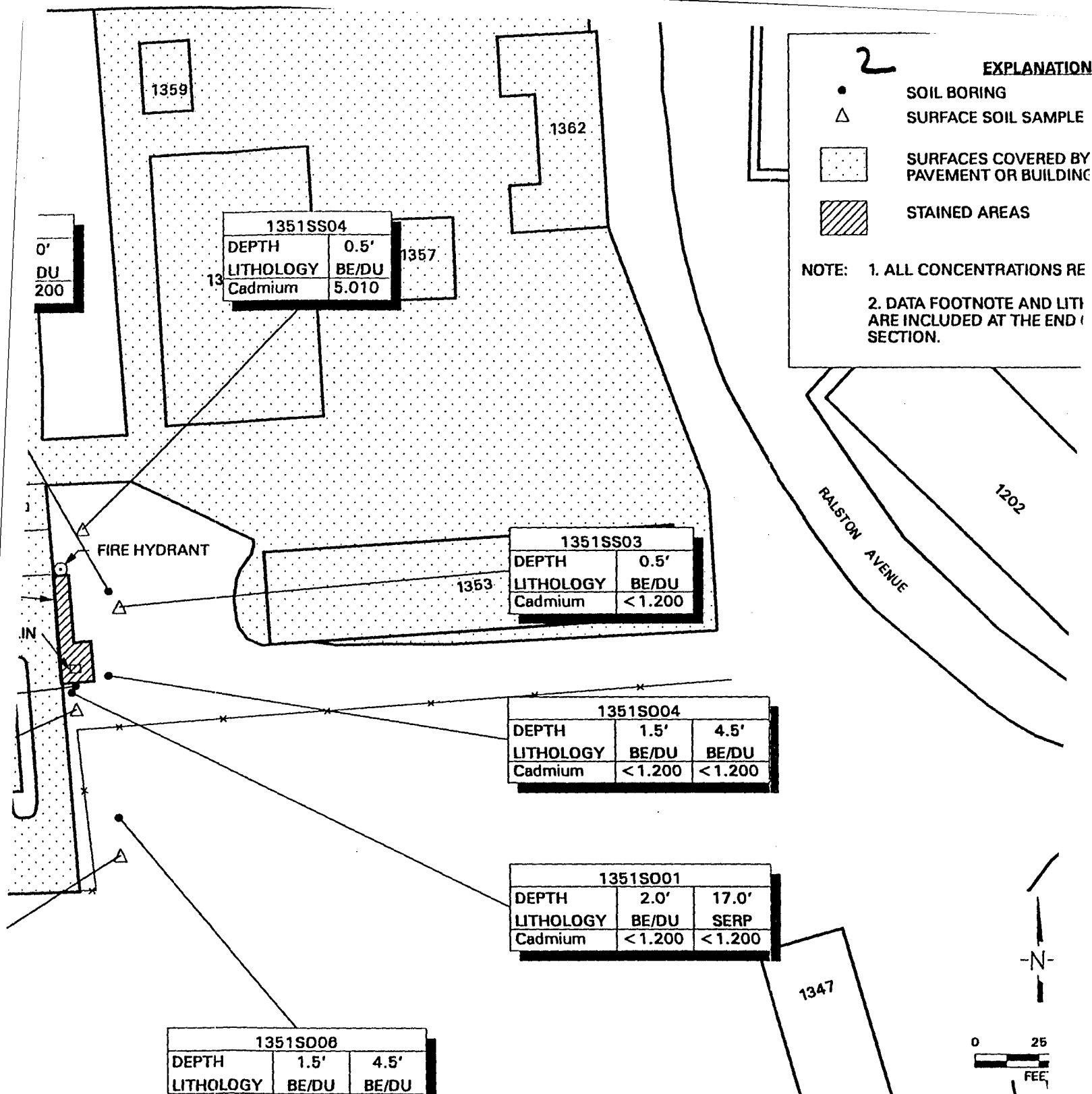
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- [Dotted Box] SURFACES COVERED BY PAVEMENT OR BUILDING
- [Hatched Box] STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITI
ARE INCLUDED AT THE END I
SECTION.



1351SS04		
DEPTH	0.5'	
LITHOLOGY	BE/DU	
Cadmium	5.010	

1351SS03		
DEPTH	0.5'	
LITHOLOGY	BE/DU	
Cadmium	< 1.200	

1351SO04			
DEPTH	1.5'	4.5'	
LITHOLOGY	BE/DU	BE/DU	
Cadmium	< 1.200	< 1.200	

1351SO01			
DEPTH	2.0'	17.0'	
LITHOLOGY	BE/DU	SERP	
Cadmium	< 1.200	< 1.200	

1351SO08			
DEPTH	1.5'	4.5'	
LITHOLOGY	BE/DU	BE/DU	
Cadmium	< 1.200	< 1.200	





MISCELLANEOUS SITE
CONCENTRATIONS OF

PSF26426

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3
0.5'
BE/DU
1.200

S004	
1.5'	4.5'
BE/DU	BE/DU
1.200	< 1.200

ISO01	
2.0'	17.0'
BE/DU	SERP
1.200	< 1.200

RALSTON AVENUE

1202

1347



0 25 50
FEET



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF CADMIUM IN SOIL

PSF26426

Date: January 1997

Figure 10.4-6

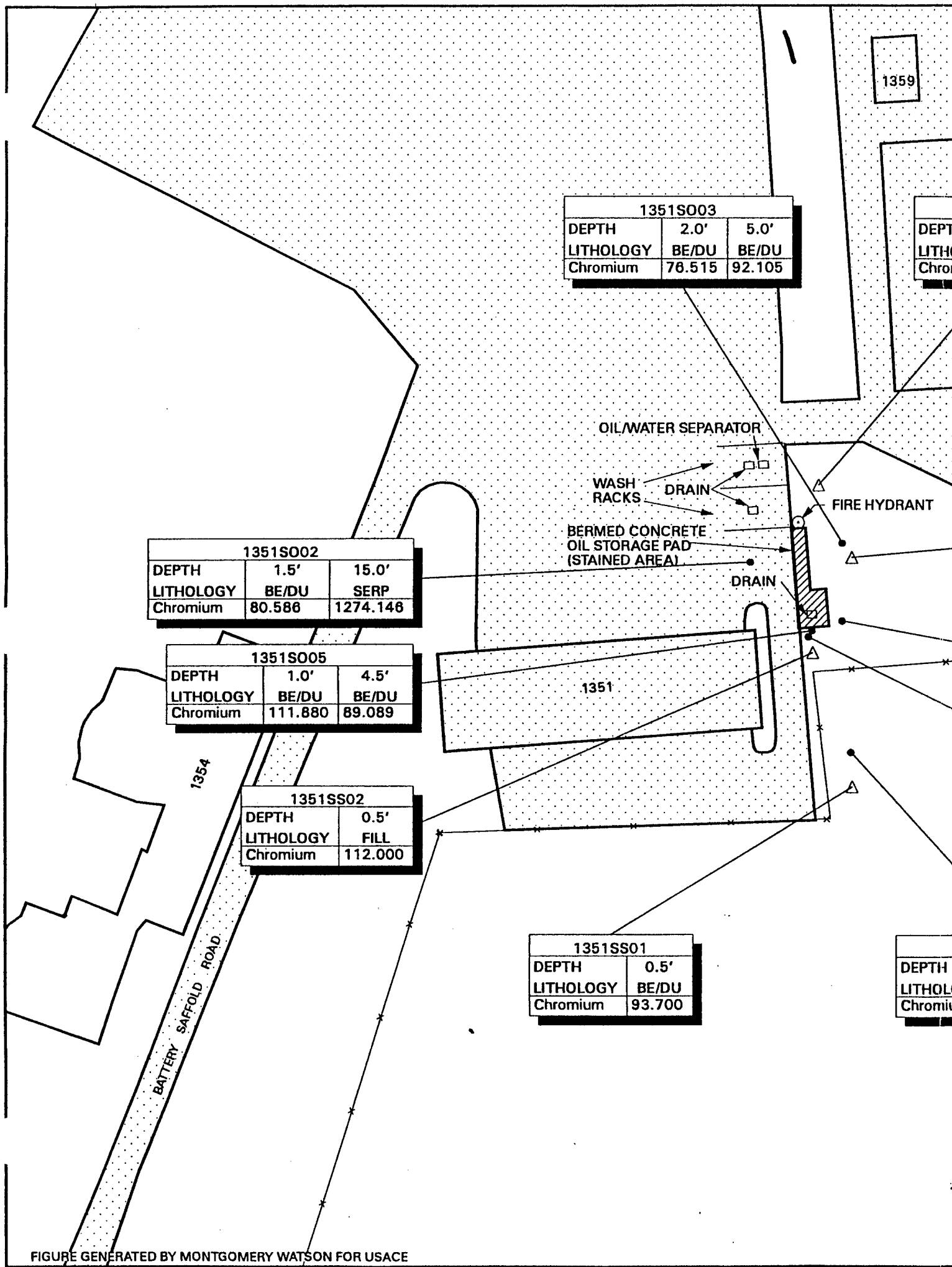
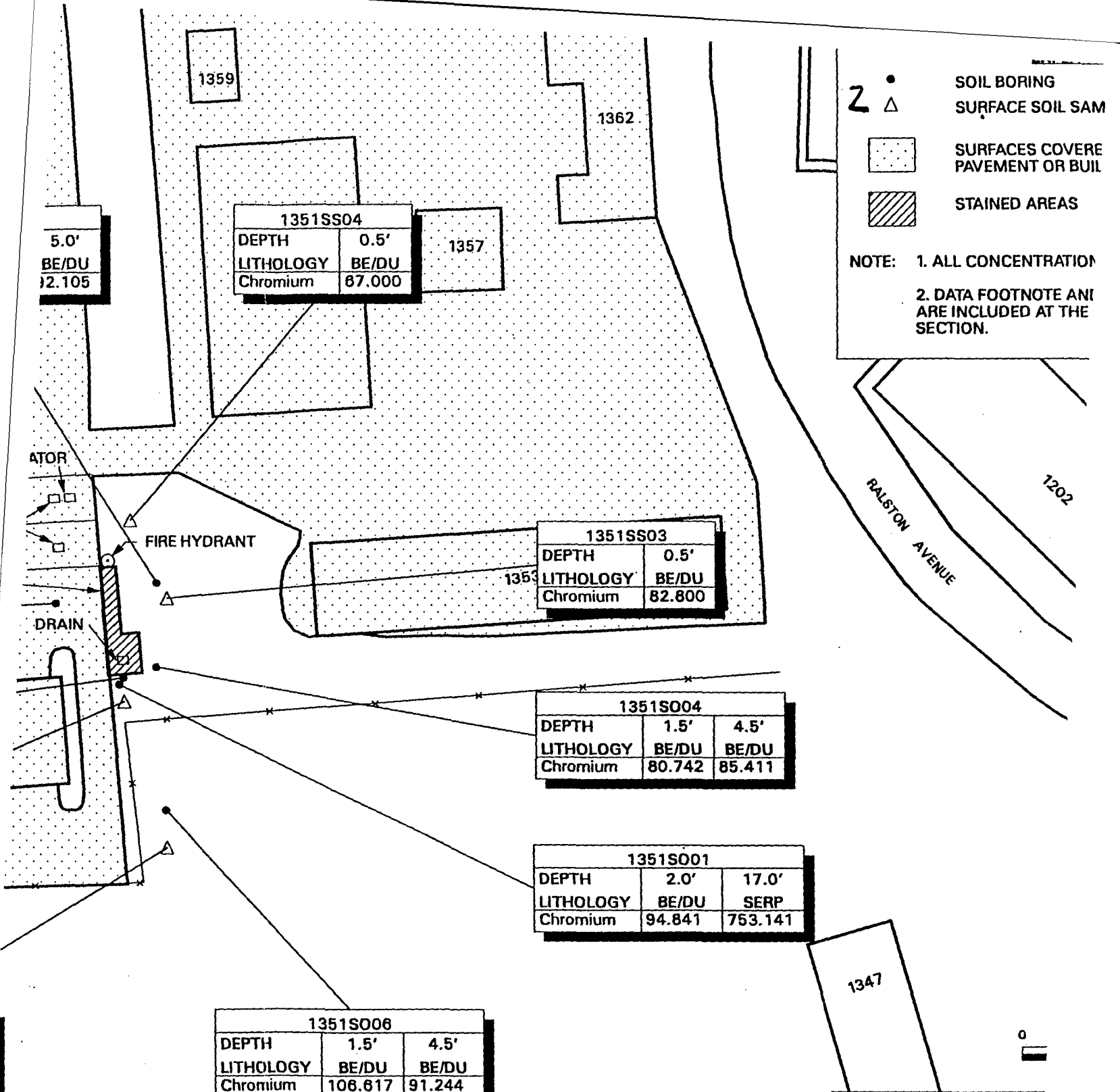


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE





MISCELLANEOUS
CONCENTRATIONS

PSF26427

Date: January 199

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

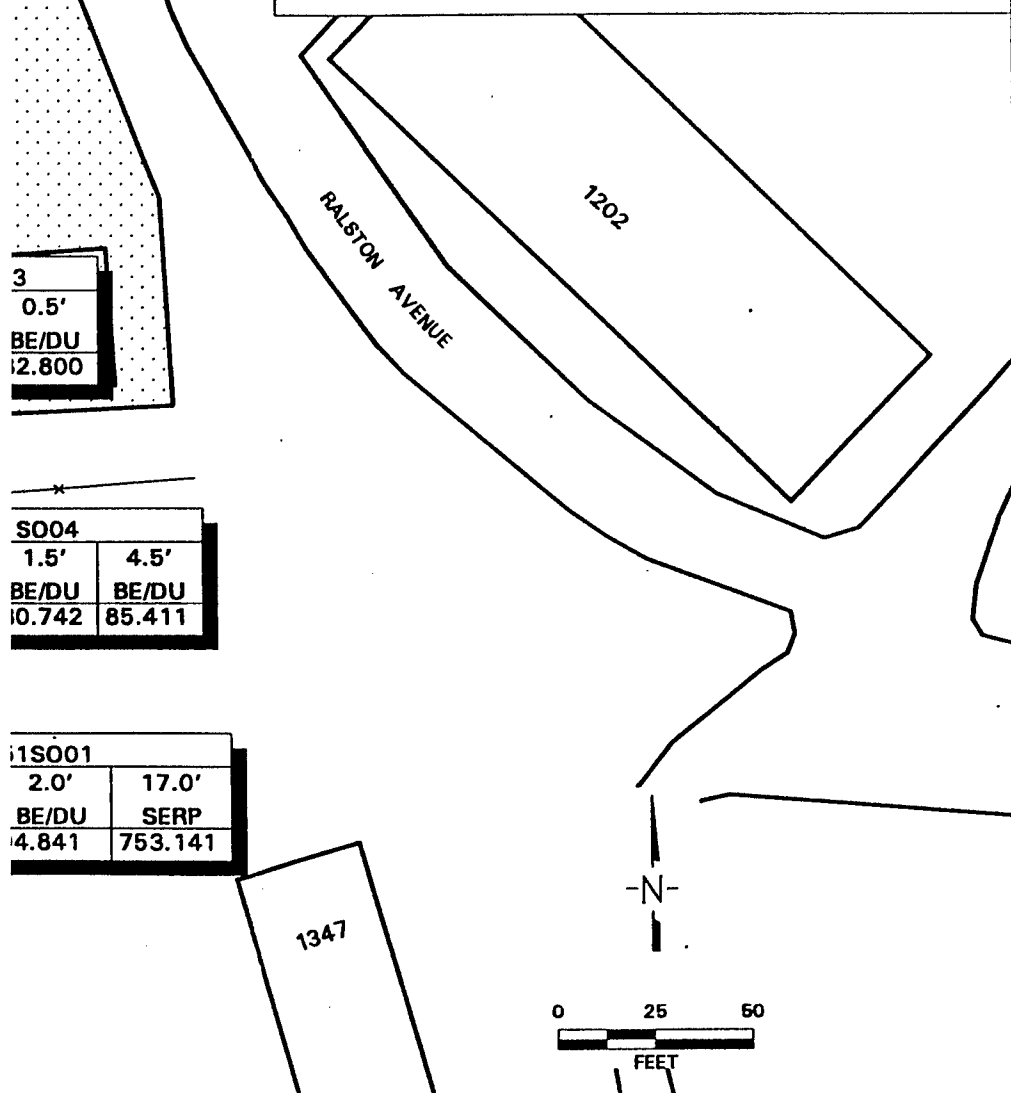
NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3
0.5'
BE/DU
12.800

S004	
1.5'	4.5'
BE/DU	BE/DU
10.742	85.411

1S001	
2.0'	17.0'
BE/DU	SERP
4.841	753.141



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26427

Date: January 1997

Figure 10.4-7

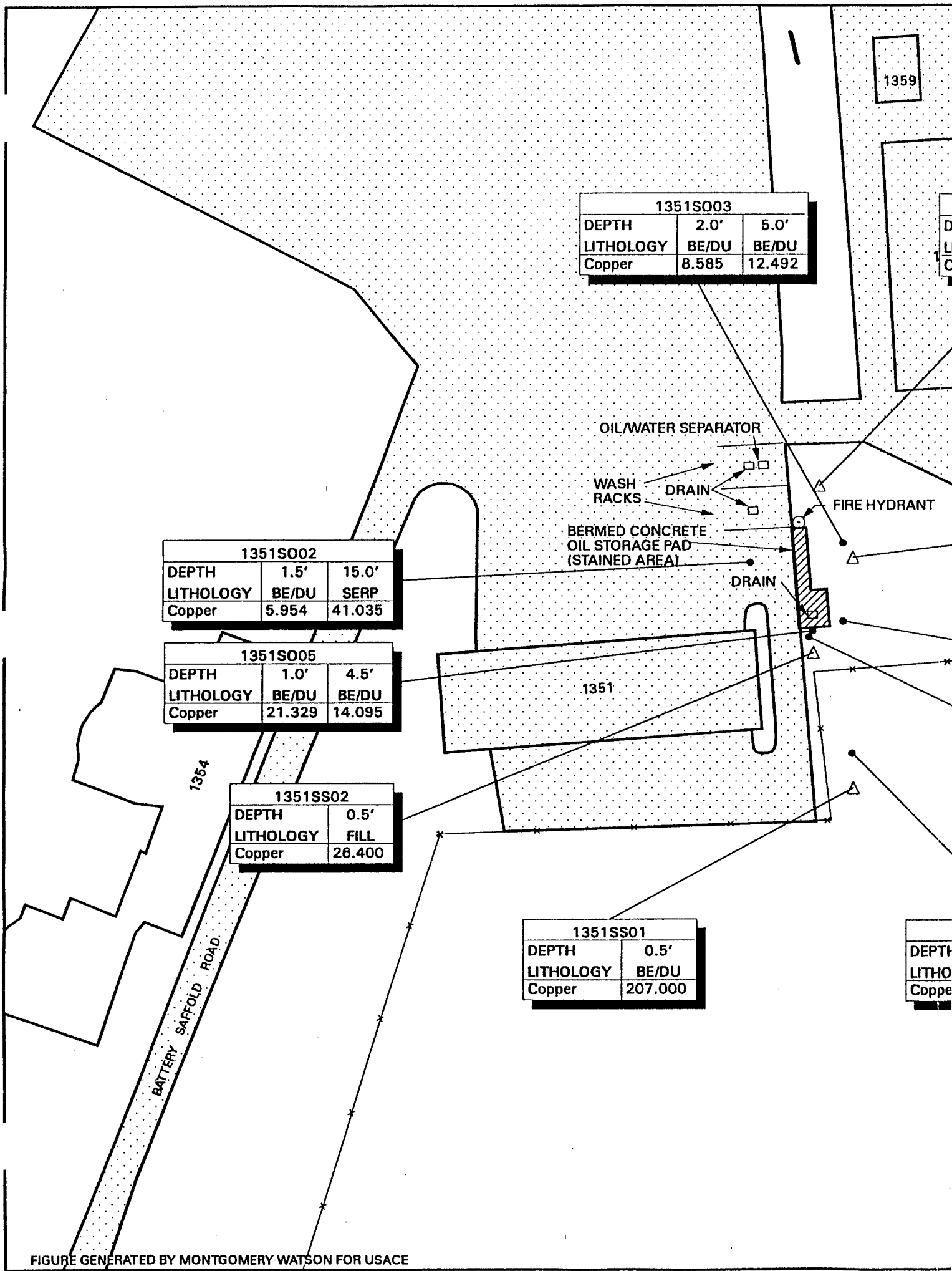
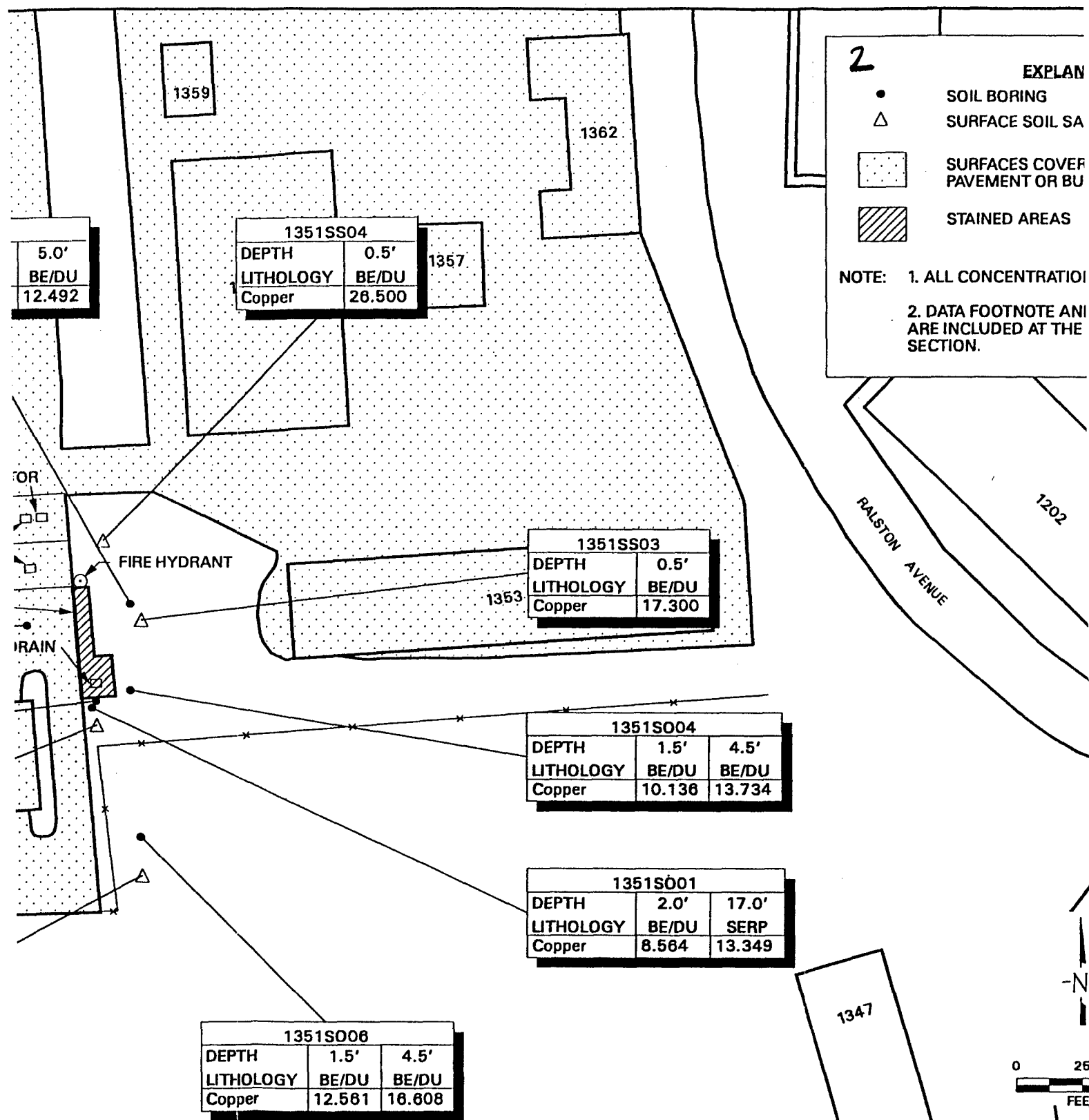


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE





MISCELLANEOUS SITE:
CONCENTRATIONS OF

PSF26428

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

RALSTON AVENUE

1202

1347

-N-

0 25 50
FEET



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF COPPER IN SOIL

PSF26428

Date: January 1997

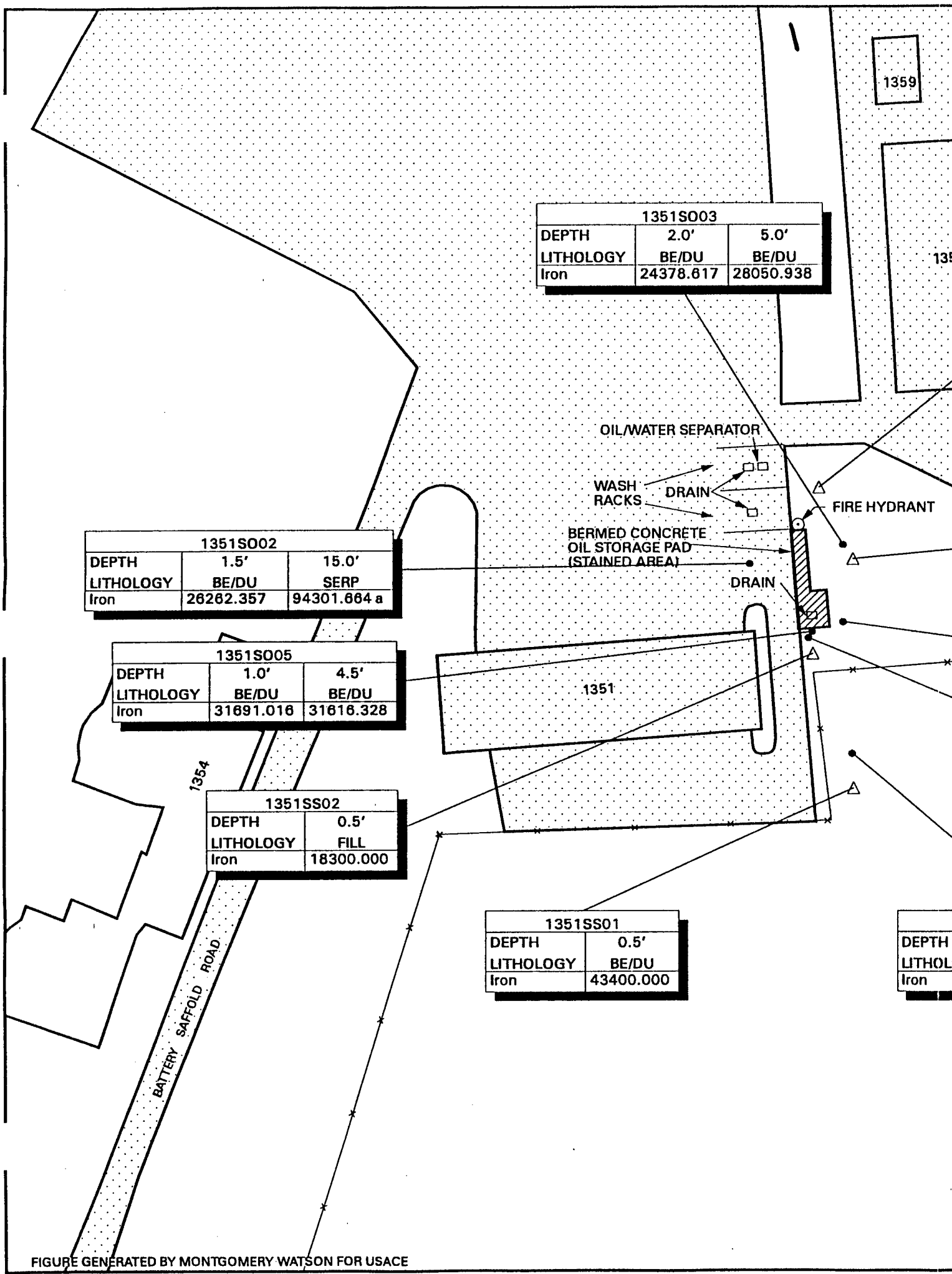
Figure 10.4-8

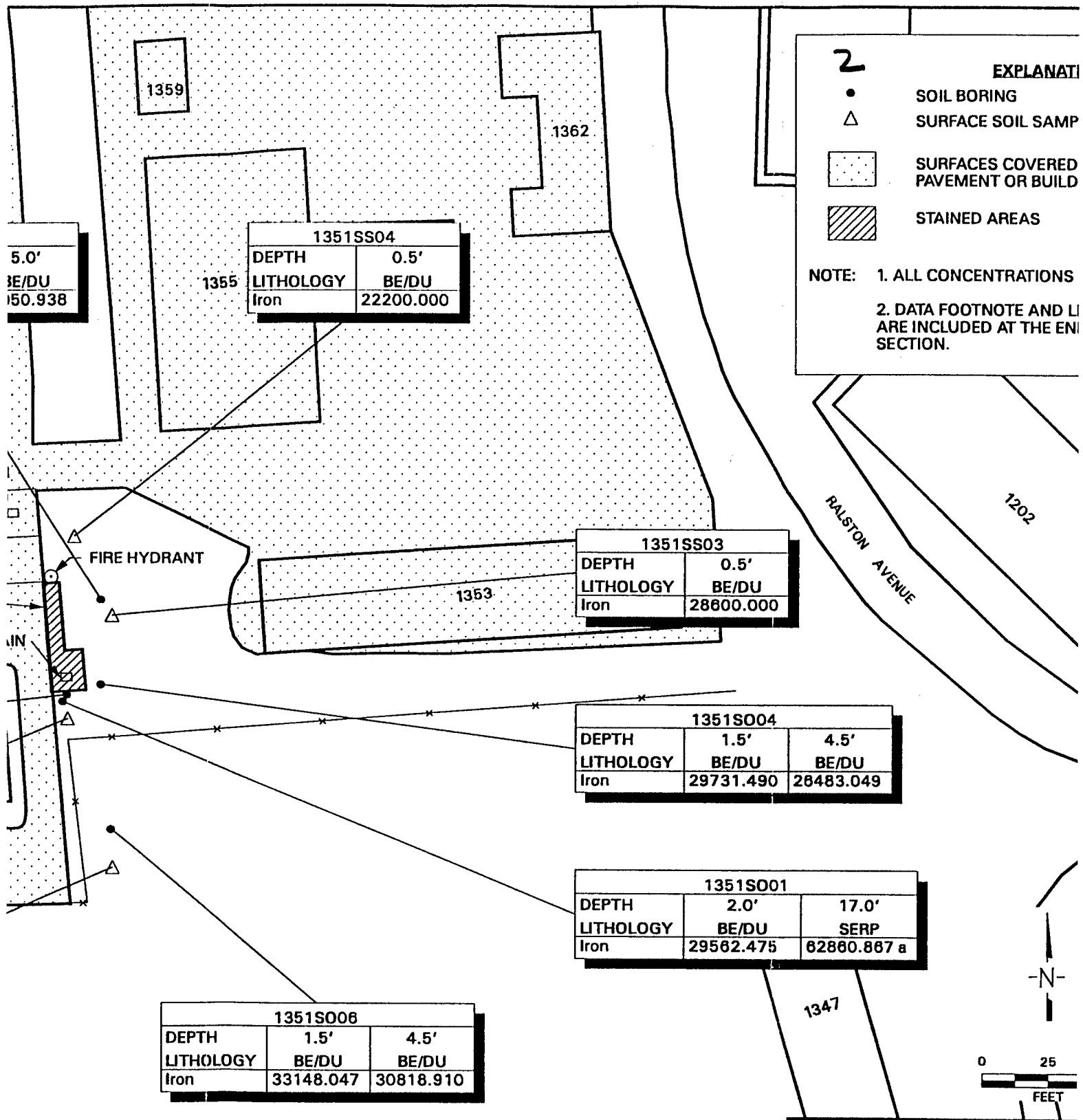
4.5'

BE/DU
13.734

17.0'

SERP
13.349







MISCELLANEOUS SITES -
CONCENTRATIONS OF

PSF26429

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

SS03
0.5'
BE/DU
28600.000

1351S004	
1.5'	4.5'
BE/DU	BE/DU
29731.490	28483.049

1351S001	
2.0'	17.0'
BE/DU	SERP
29562.475	62860.867 a

1347

-N-

0 25 60
 FEET

**DAMES & MOORE**

MISCELLANEOUS SITES - BUILDING 1351
 CONCENTRATIONS OF IRON IN SOIL

PSF26429

Date: January 1997

Figure 10.4-9

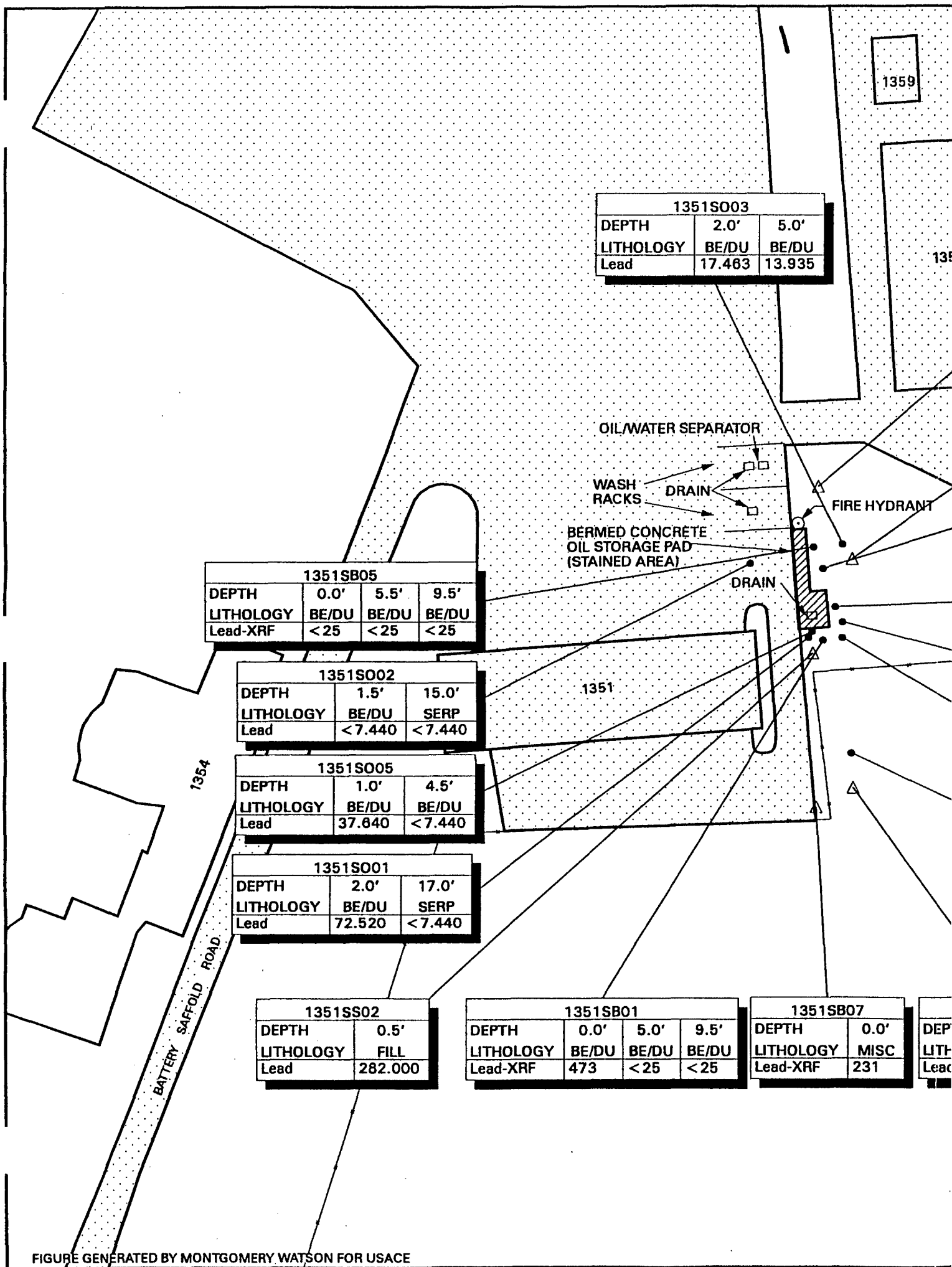
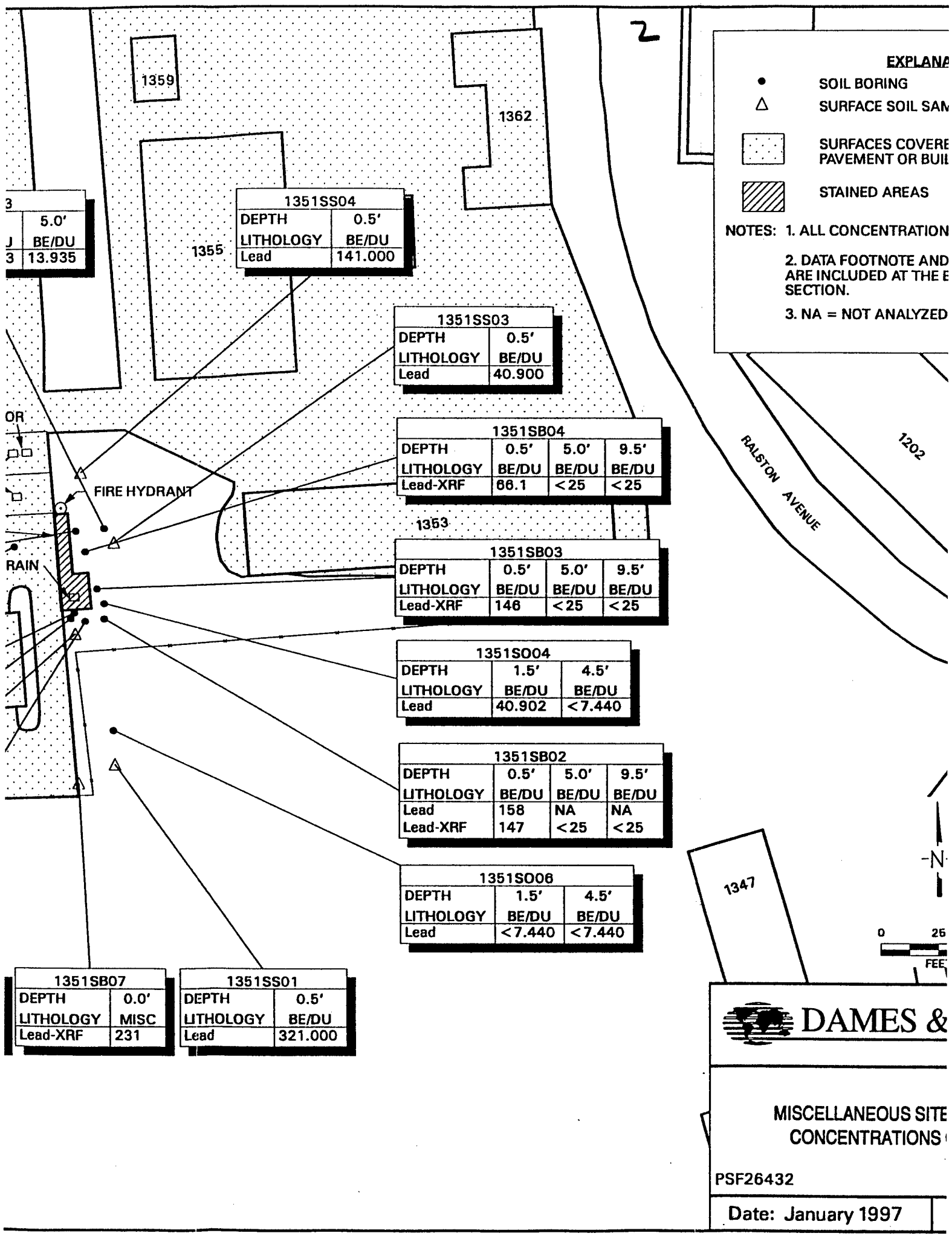


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS
- [Hatched Box] STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS ARE IN MG/KG
2. DATA FOOTNOTES AND ARE INCLUDED AT THE END OF THE SECTION.
3. NA = NOT ANALYZED

3	5.0'
J	BE/DU
3	13.935

1351SS04	
DEPTH	0.5'
LITHOLOGY	BE/DU
Lead	141.000

1351SS03	
DEPTH	0.5'
LITHOLOGY	BE/DU
Lead	40.900

1351SB04			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead-XRF	88.1	<25	<25

1351SB03			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead-XRF	146	<25	<25

1351SO04		
DEPTH	1.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	40.902	<7.440

1351SB02			
DEPTH	0.5'	5.0'	9.5'
LITHOLOGY	BE/DU	BE/DU	BE/DU
Lead	158	NA	NA
Lead-XRF	147	<25	<25

1351SO06		
DEPTH	1.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	<7.440	<7.440

1351SB07	
DEPTH	0.0'
LITHOLOGY	MISC
Lead-XRF	231

1351SS01	
DEPTH	0.5'
LITHOLOGY	BE/DU
Lead	321.000





MISCELLANEOUS SITE CONCENTRATIONS

PSF26432

Date: January 1997

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. NA = NOT ANALYZED

RALSTON AVENUE

1202

1347

-N-

0 25 50
FEET



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF LEAD IN SOIL

PSF26432

Date: January 1997

Figure 10.4-10

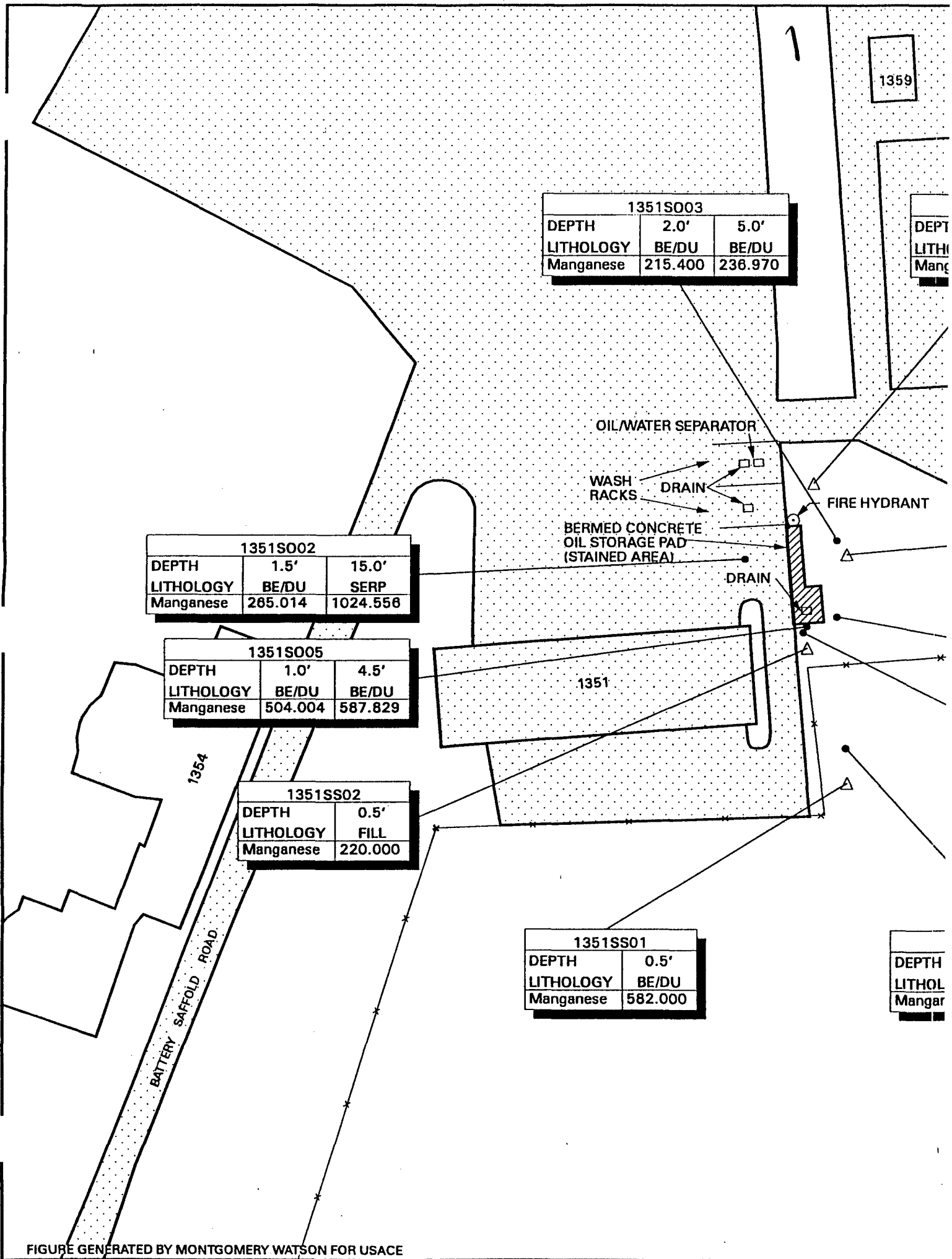


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

EXPLANATION

SOIL BORING



SURFACE SOIL SAMPLE

SURFACES COVERED BY
PAVEMENT OR BUILDINGS

STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

RALSTON AVENUE

1202

4.5'

BE/DU
302.311

17.0'

SERP
988.212

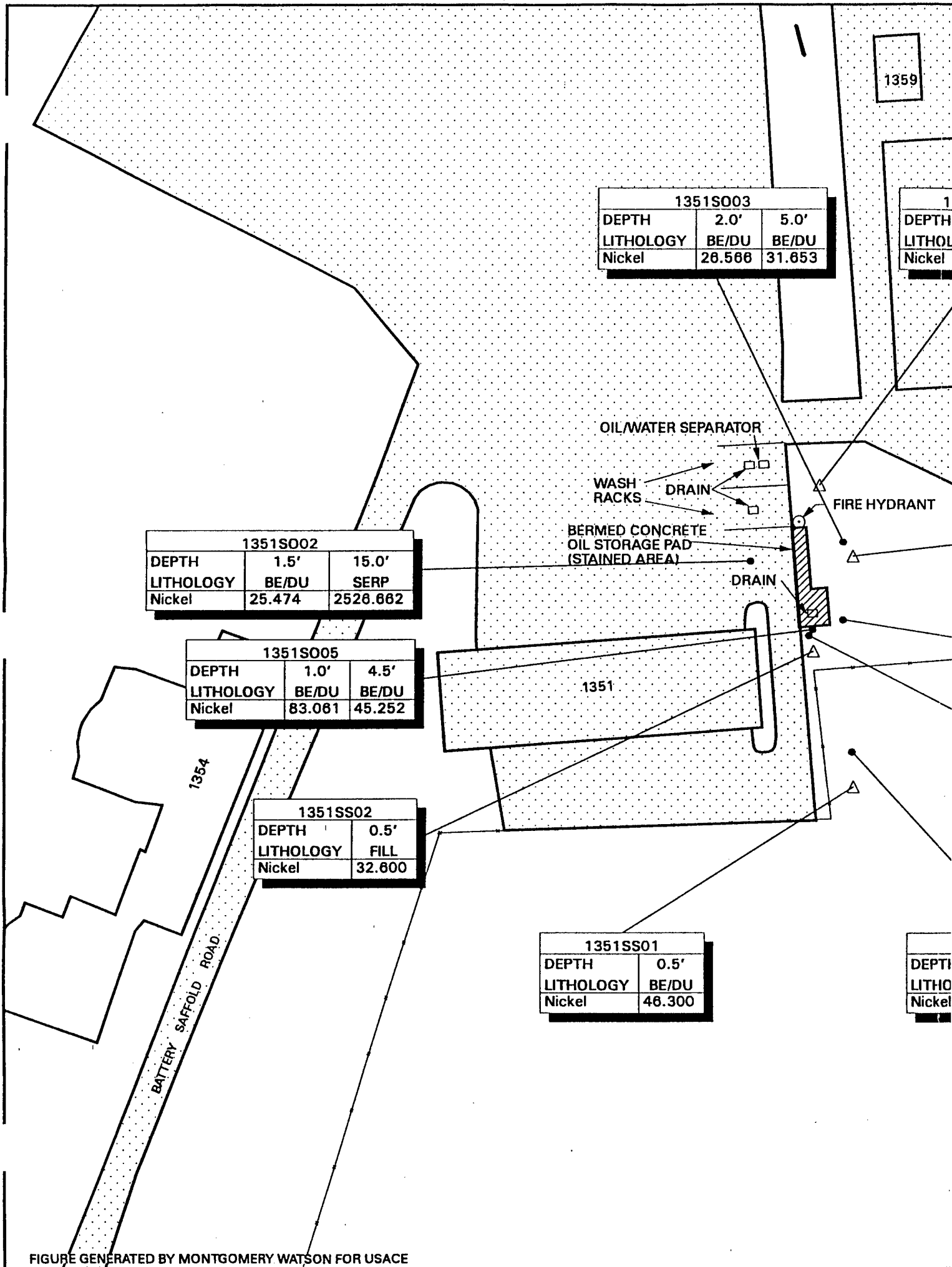
1347

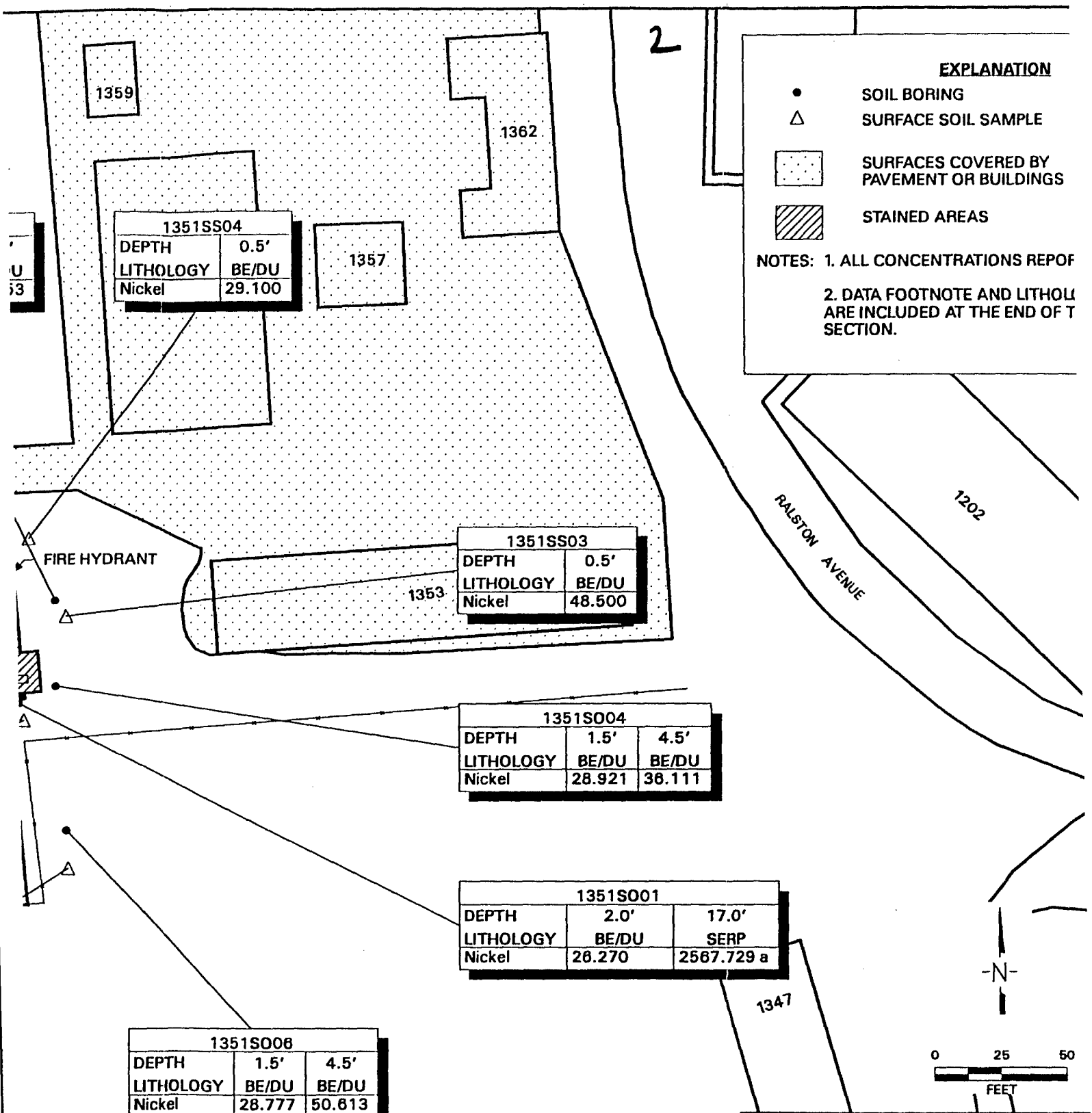
0 25 50
FEET**DAMES & MOORE**MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26430

Date: January 1997

Figure 10.4-11





DAMES & MOORE



**MISCELLANEOUS SITES - BUILD
CONCENTRATIONS OF NICKEL**

PSF26431

Date: January 1997

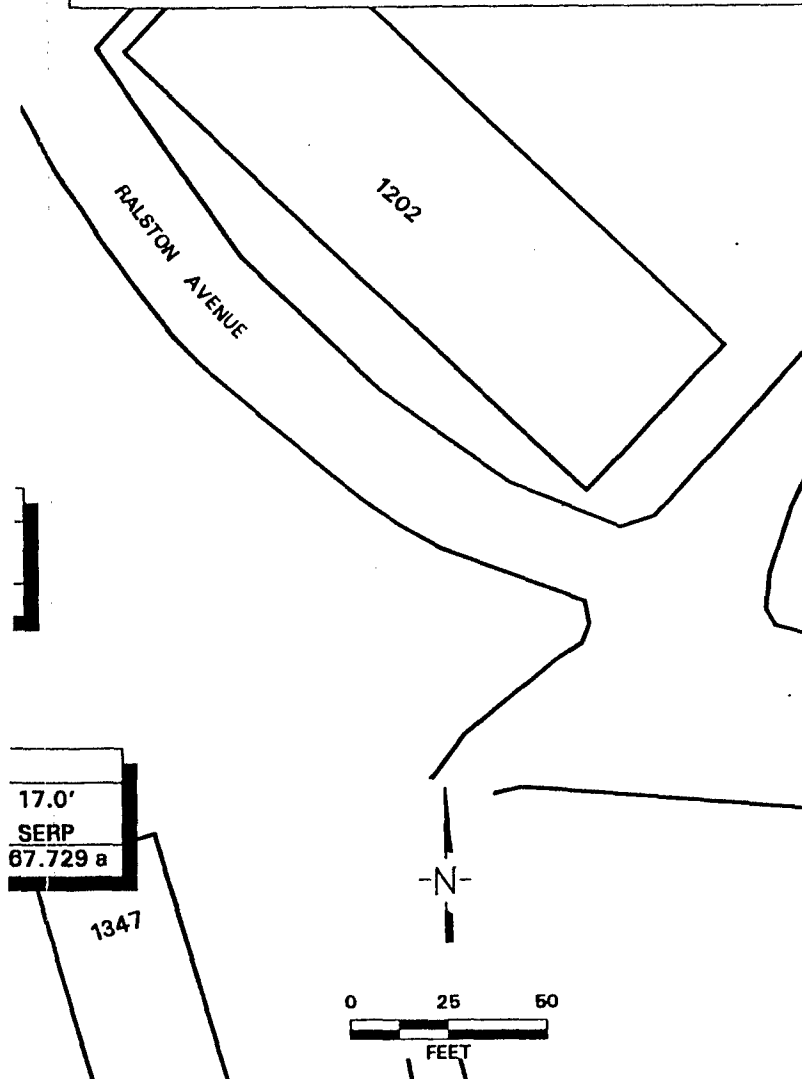
Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

**DAMES & MOORE**

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF NICKEL IN SOIL

PSF26431

Date: January 1997

Figure 10.4-12

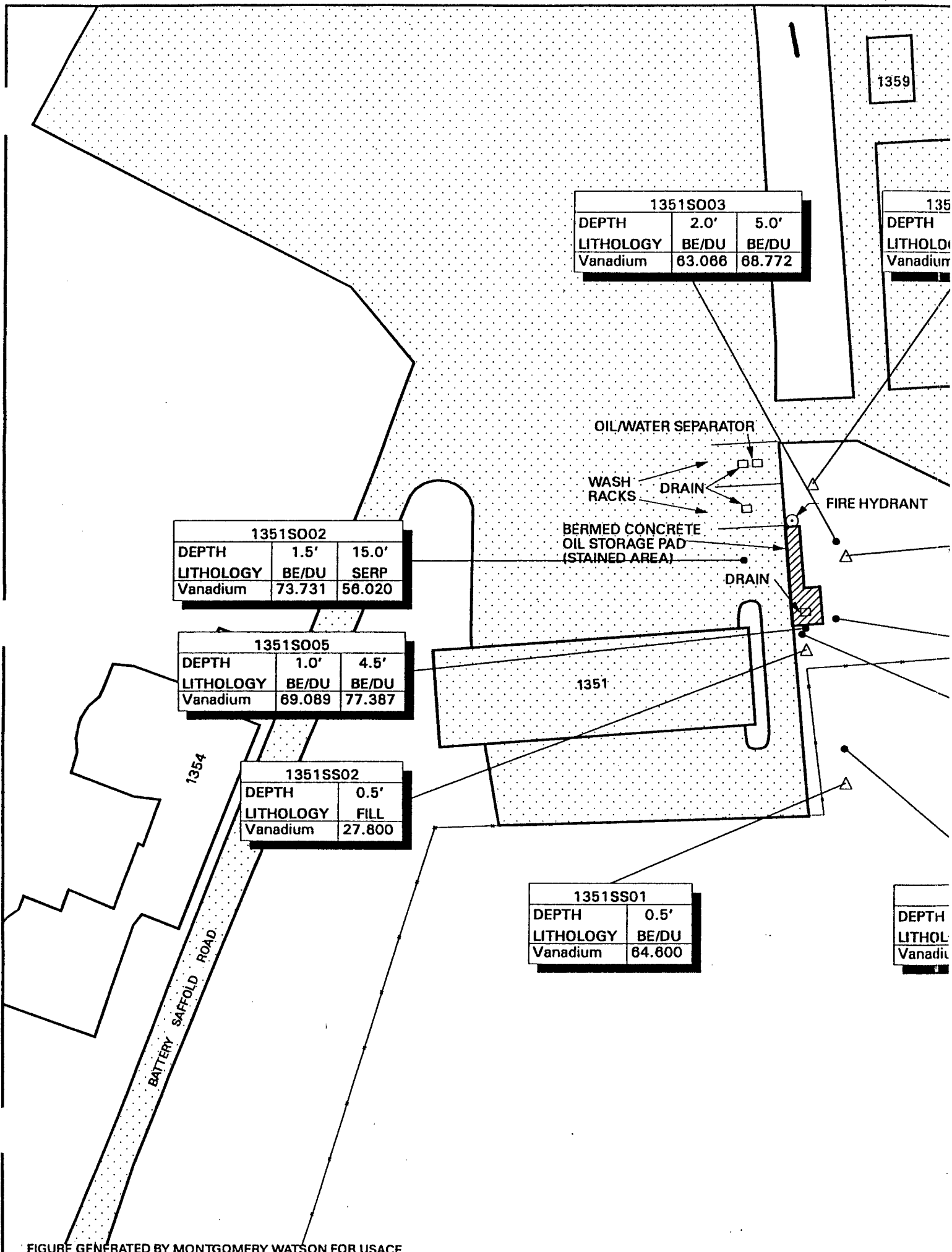
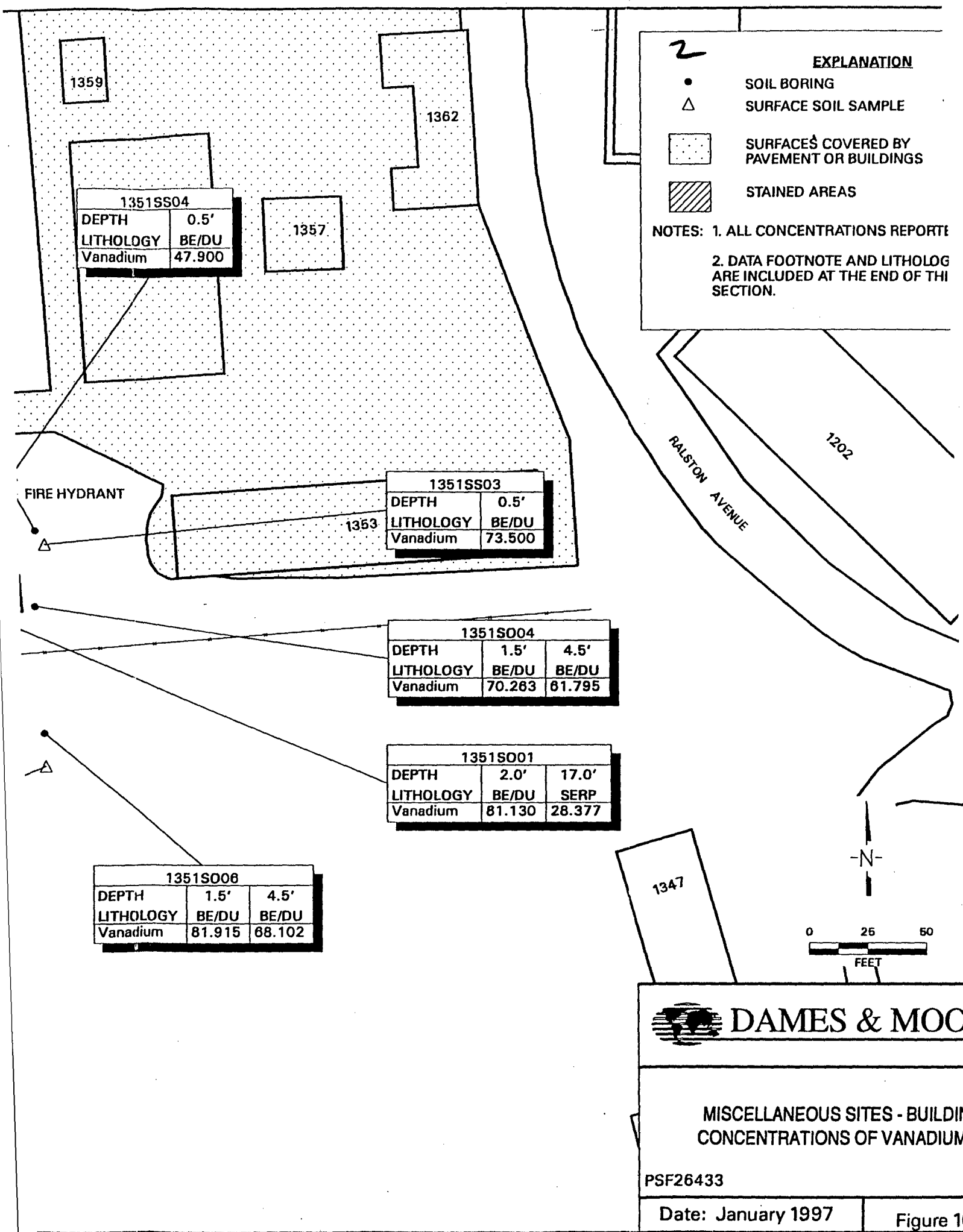




FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

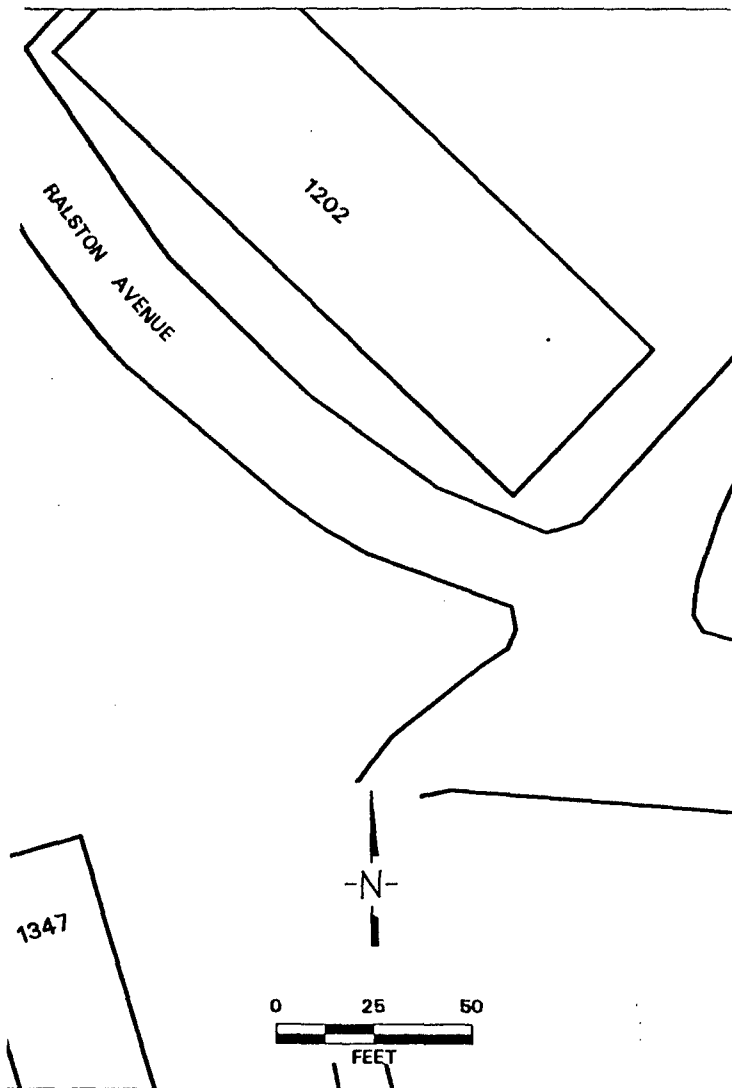


EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



DAMES & MOORE

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF VANADIUM IN SOIL

PSF26433

Date: January 1997

Figure 10.4-13

1351SO02		
DEPTH	1.5'	15.0'
LITHOLOGY	BE/DU	SERP
Zinc	29.480	60.487

1351SO05		
DEPTH	1.0'	4.5'
LITHOLOGY	BE/DU	BE/DU
Zinc	64.972	35.966

1351SS02		
DEPTH	0.5'	
LITHOLOGY	FILL	
Zinc	321.000	

1351SO03		
DEPTH	2.0'	5.0'
LITHOLOGY	BE/DU	BE/DU
Zinc	37.887	51.696

OIL/WATER SEPARATOR

WASH RACKS

DRAIN

BERMED CONCRETE
OIL STORAGE PAD
(STAINED AREA)

DRAIN

FIRE HYDRANT

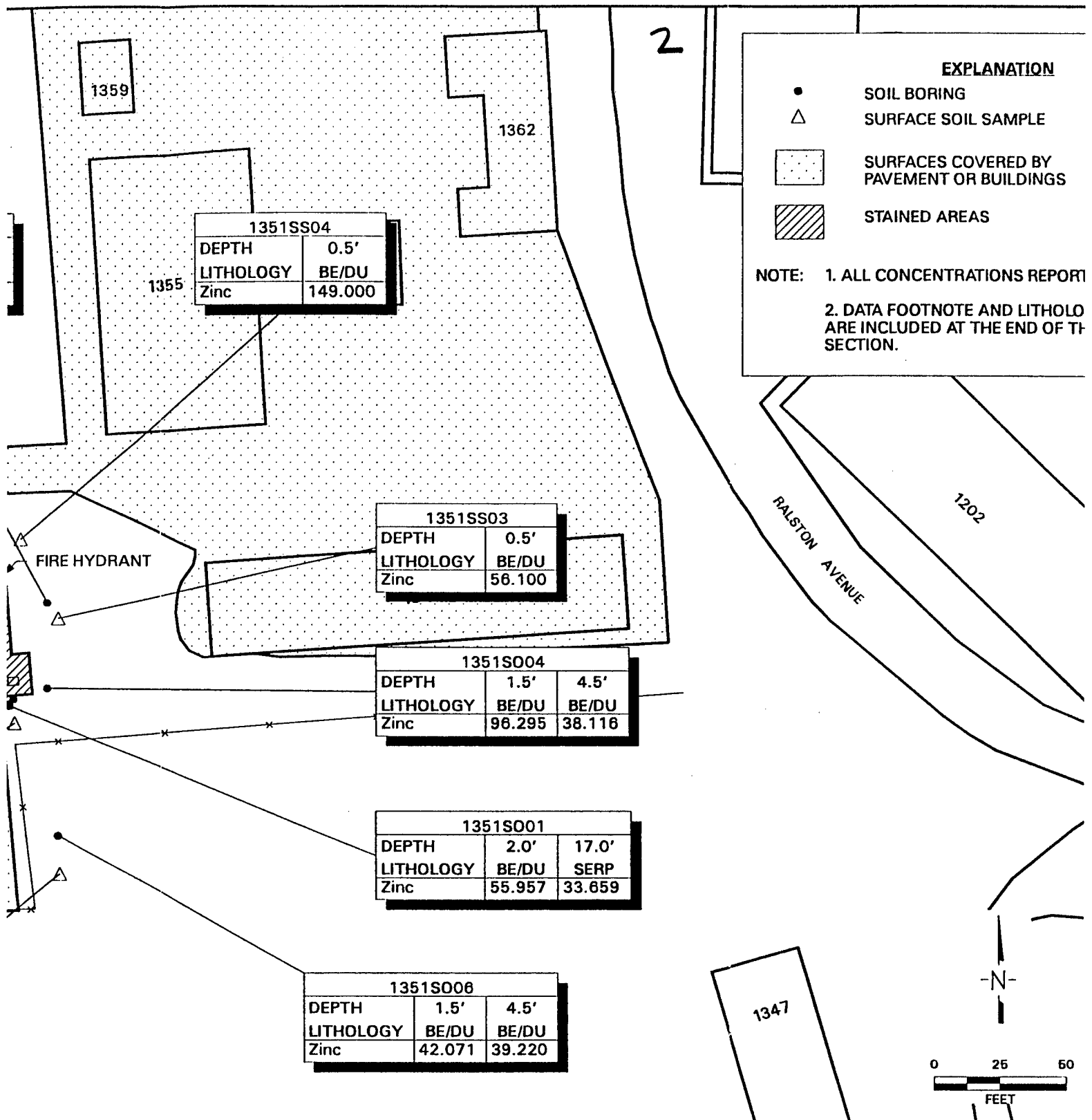
1351

1351SS01		
DEPTH	0.5'	
LITHOLOGY	BE/DU	
Zinc	499.000	

BATTERY SAFFOLD ROAD

1359

13



DAMES & MO



**MISCELLANEOUS SITES - BUILD
CONCENTRATIONS OF ZINC II**

PSF26434

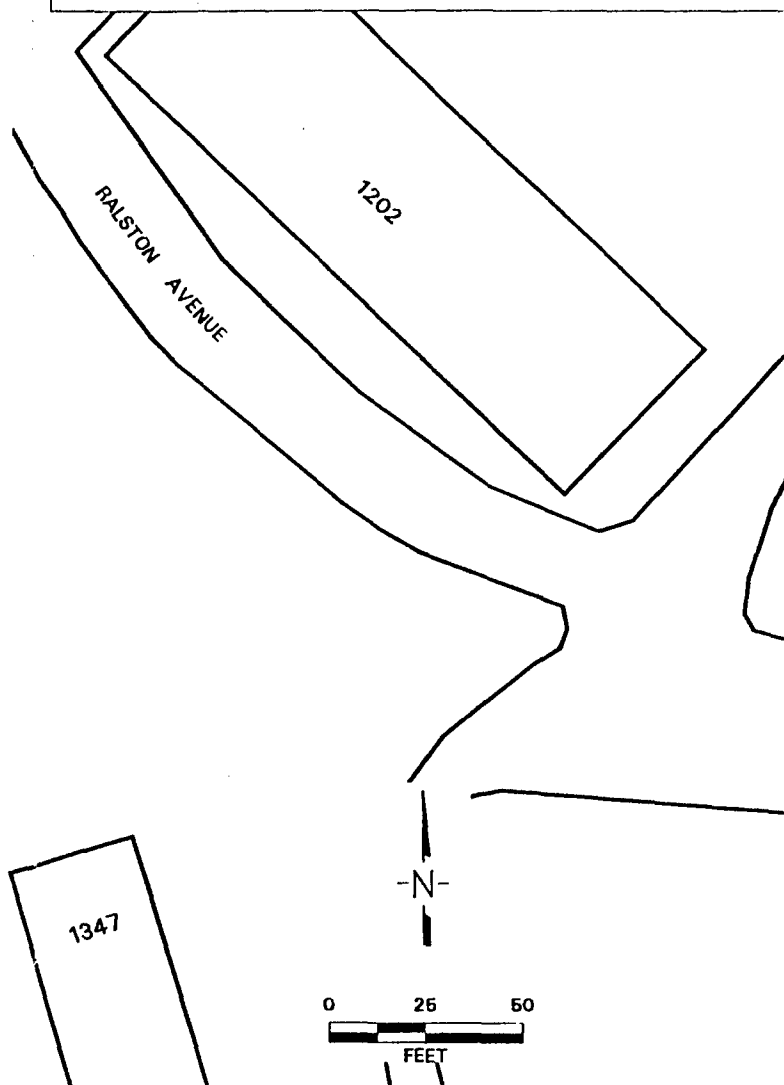
Date: January 1997

Figure

EXPLANATION

- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS
-  STAINED AREAS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

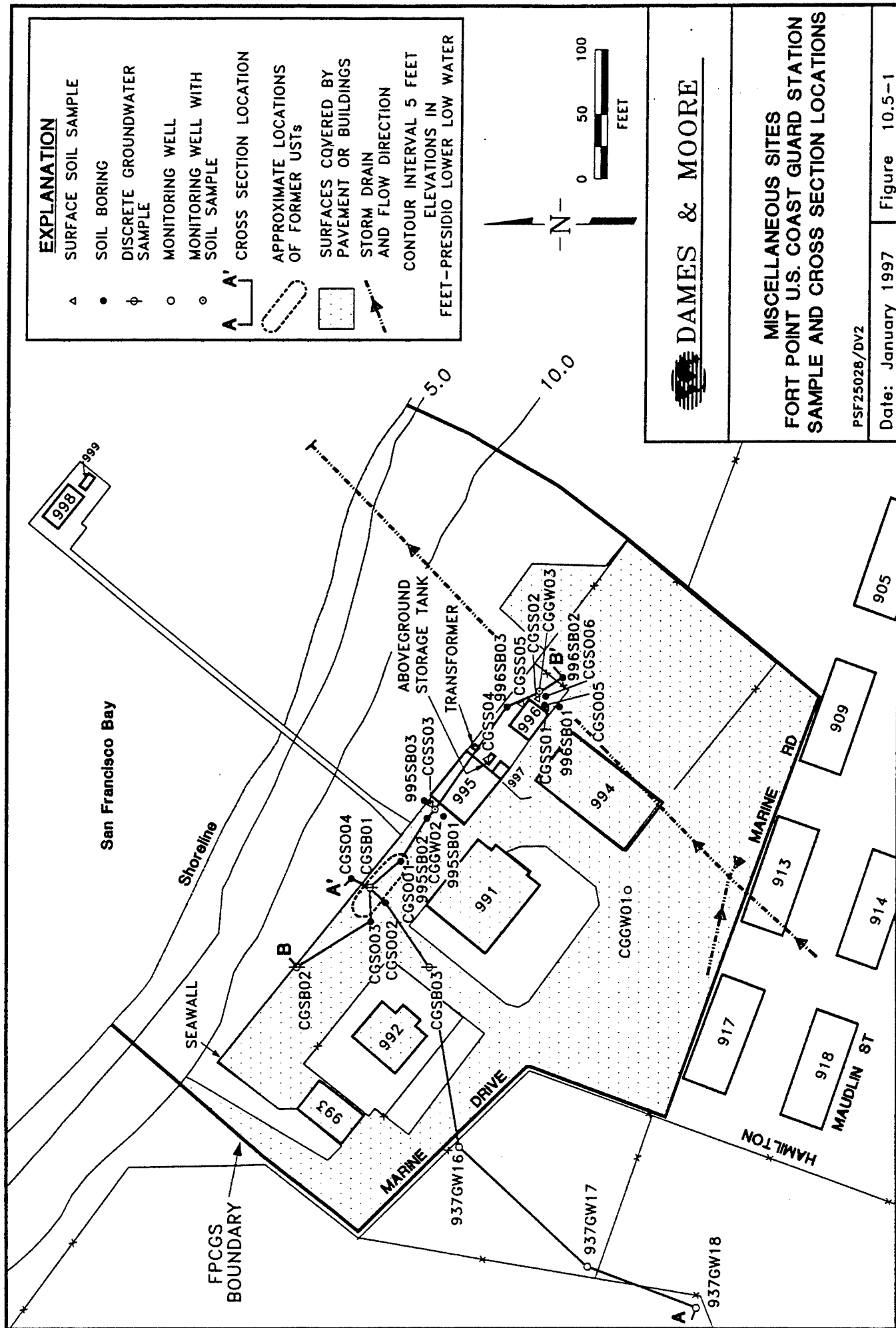
**DAMES & MOORE**

MISCELLANEOUS SITES - BUILDING 1351
CONCENTRATIONS OF ZINC IN SOIL

PSF26434

Date: January 1997

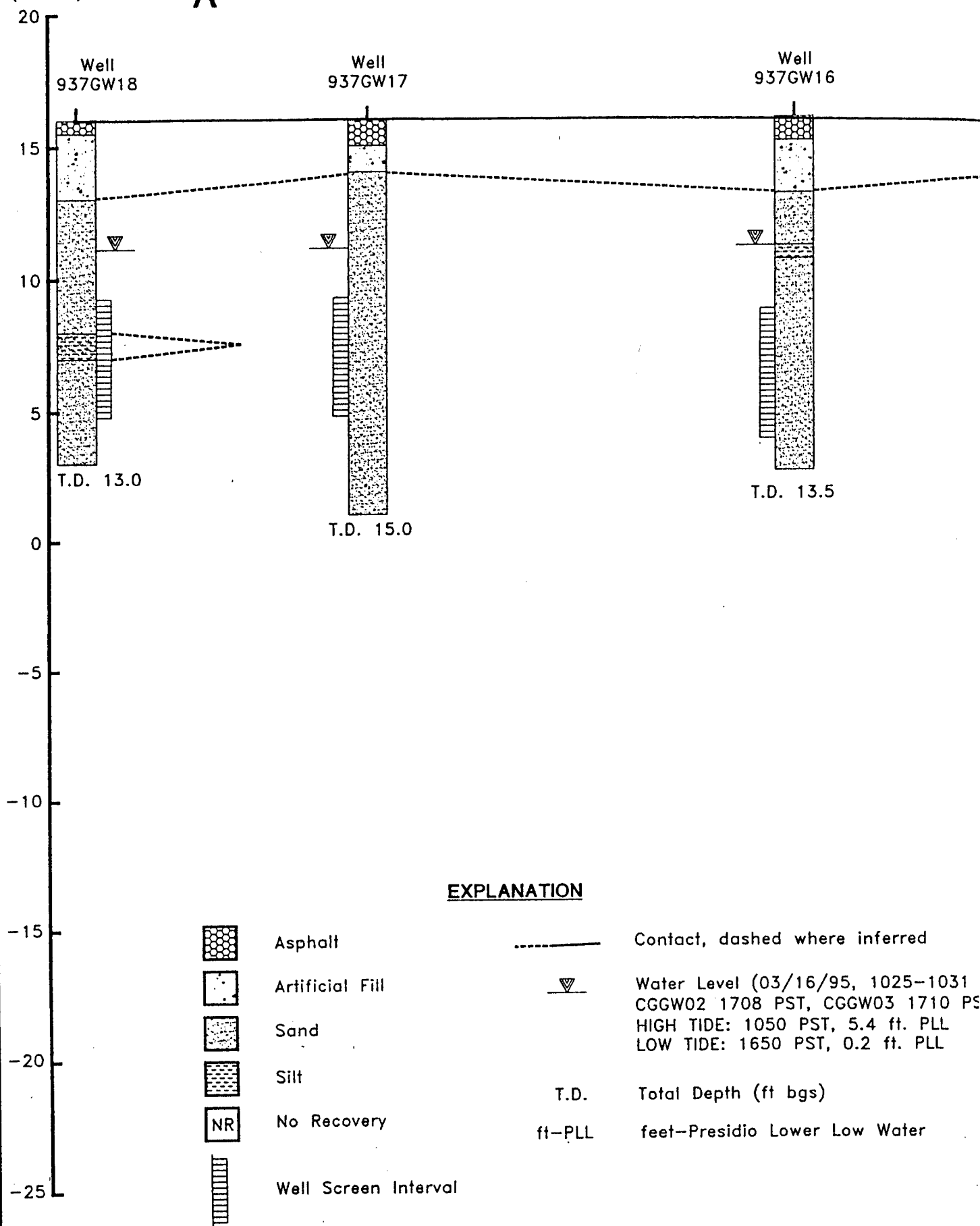
Figure 10.4-14



Elevation
(ft-PLL)

SOUTHWEST A

1



NORTHEAST

Elevation
(ft-PLL)

Cross-Section
B-B'
Intersection

A' 2

16

Soil
Boring
CGSB03

Soil
Boring
CGS002

Soil
Boring
CGSB01

Soil
Boring
CGS004

T.D. 4.0

T.D. 5.5

3.5

Beach Sand

Beach Sand

Bay Mud

NR

NR

NR

T.D. 25.0

NR

T.D. 37.0

-15

-10

-5

0

5

10

15

20

here inferred

5/95, 1025-1031 PST)

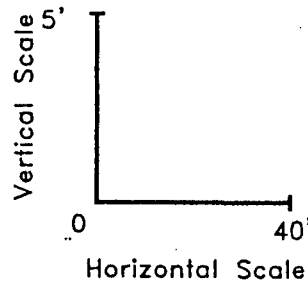
CGGW03 1710 PST

ST, 5.4 ft. PLL

IT, 0.2 ft. PLL

s)

r Low Water



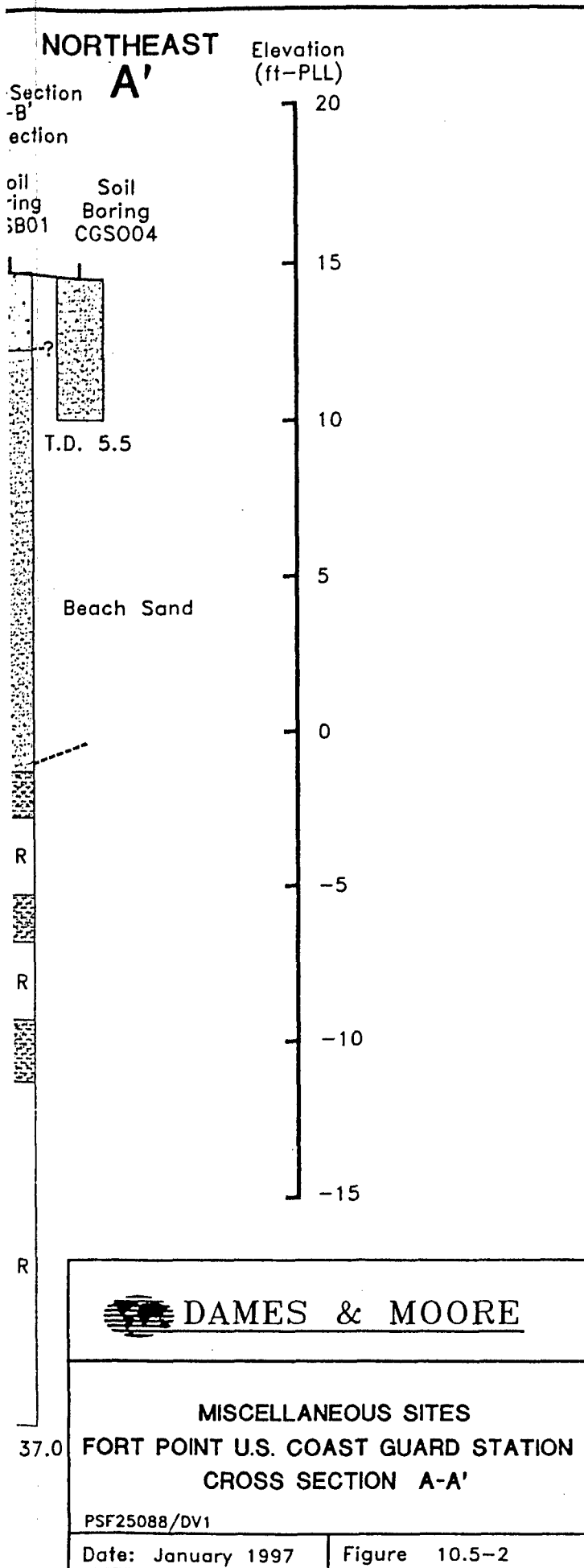
DAMES & MC

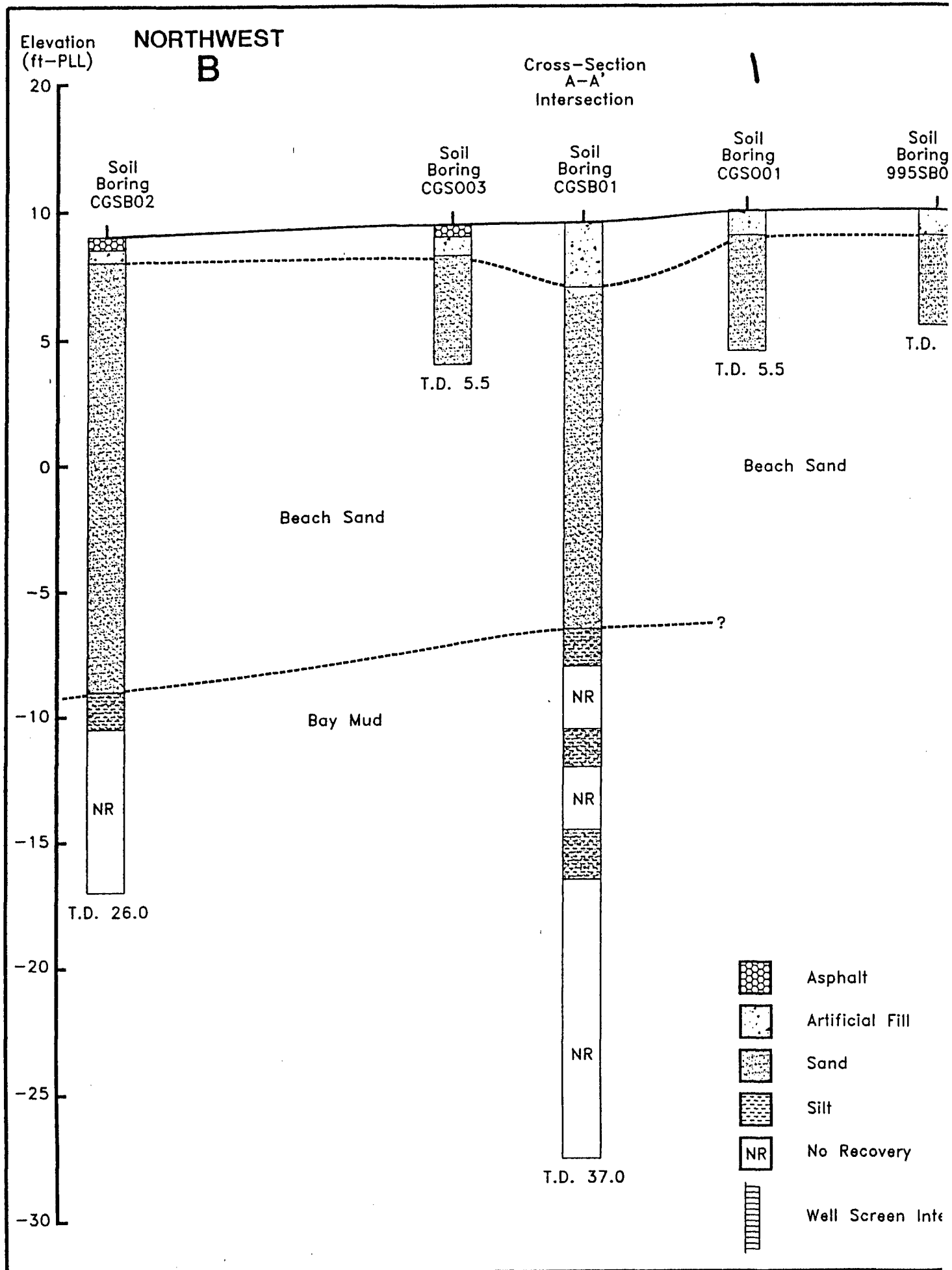
MISCELLANEOUS SIT
FORT POINT U.S. COAST GUAF
CROSS SECTION A

PSF25088/DV1

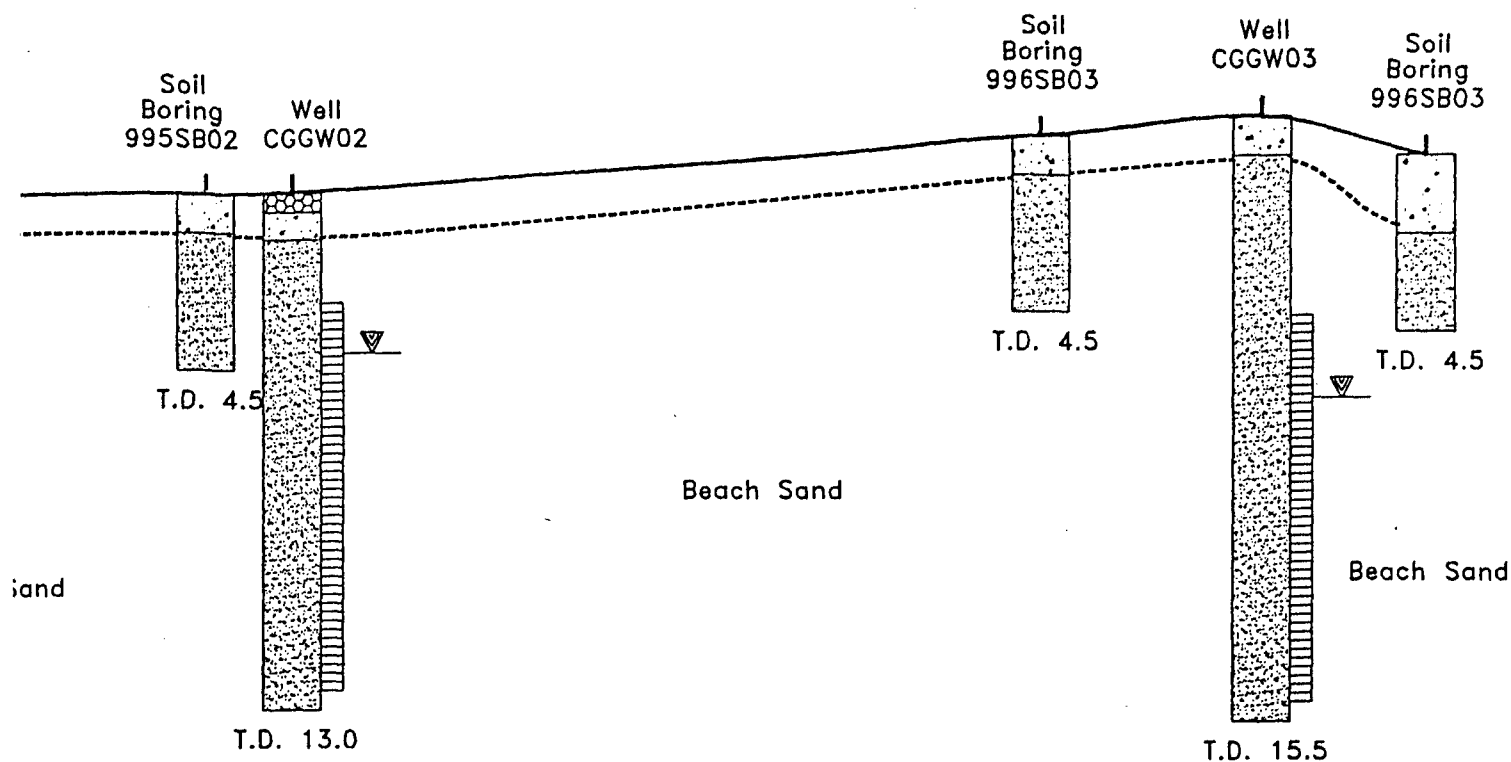
Date: January 1997

Figure



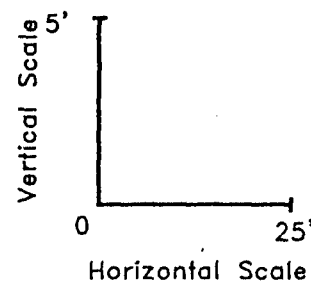


SOUTHEAST B'



EXPLANATION

Asphalt	-----	Contact, dashed where inferred
Artificial Fill	▽	Water Level (03/16/95), CGGW02 1708 PST, CGGW03 1710 PST
Sand		HIGH TIDE: 1050 PST, 5.4 ft. PLL LOW TIDE: 1650 PST, 0.2 ft. PLL
Silt		
No Recovery	T.D.	Total Depth (ft bgs)
	ft-PLL	feet-Presidio Lower Low Water
Well Screen Interval		



DAMES & MOORE

MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD
CROSS SECTION B-I

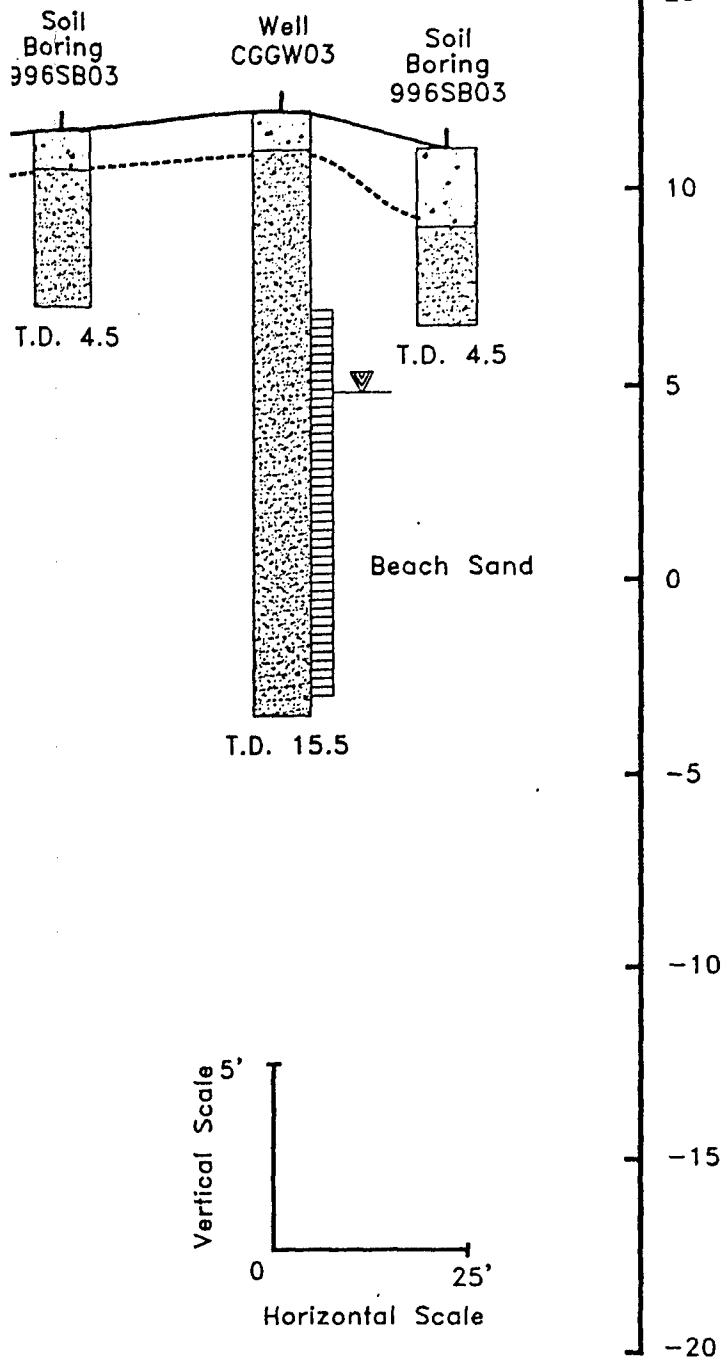
PSF25087/DV2

Date: January 1997

Figure 1

SOUTHEAST B'

Elevation
(ft-PLL)



3

710 PST
PLL
PLL



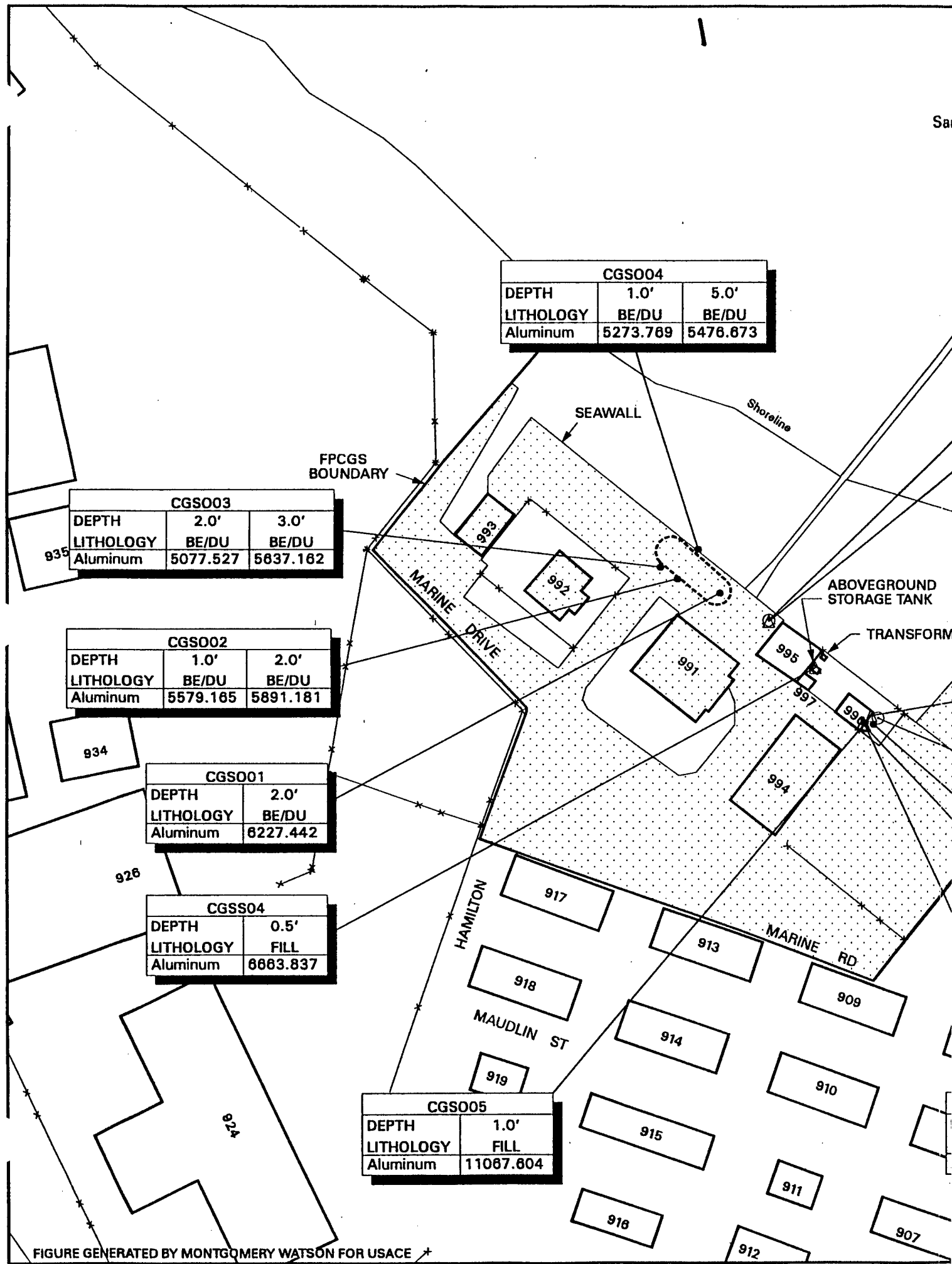
DAMES & MOORE

**MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CROSS SECTION B-B'**

PSF25087/DV2

Date: January 1997

Figure 10.5-3



San Francisco Bay

2

EXPLANATION



MONITORING WELL WITH SOIL SAMPLES



SOIL BORING



SURFACE SOIL SAMPLE



APPROXIMATE LOCATIONS OF FORMER USTs



SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED

2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.

CGGW02		
DEPTH	2.0'	3.5'
LITHOLOGY	BE/DU	BE/DU
Aluminum	3490.000	4030.000

CGSS03	
DEPTH	0.5'
LITHOLOGY	FILL
Aluminum	6311.399

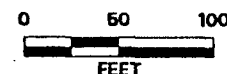
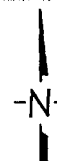
CGSS02	
DEPTH	0.5'
LITHOLOGY	FILL
Aluminum	10166.827

CGGW03		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Aluminum	6900.000 a	4580.000

CGS008	
DEPTH	1.0'
LITHOLOGY	FILL
Aluminum	9761.188

CGSS01	
DEPTH	0.5'
LITHOLOGY	FILL
Aluminum	9782.502

CGSS05	
DEPTH	0.5'
LITHOLOGY	FILL
Aluminum	8863.115



DAMES & MOORE

MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ALUMINUM

PSF26435

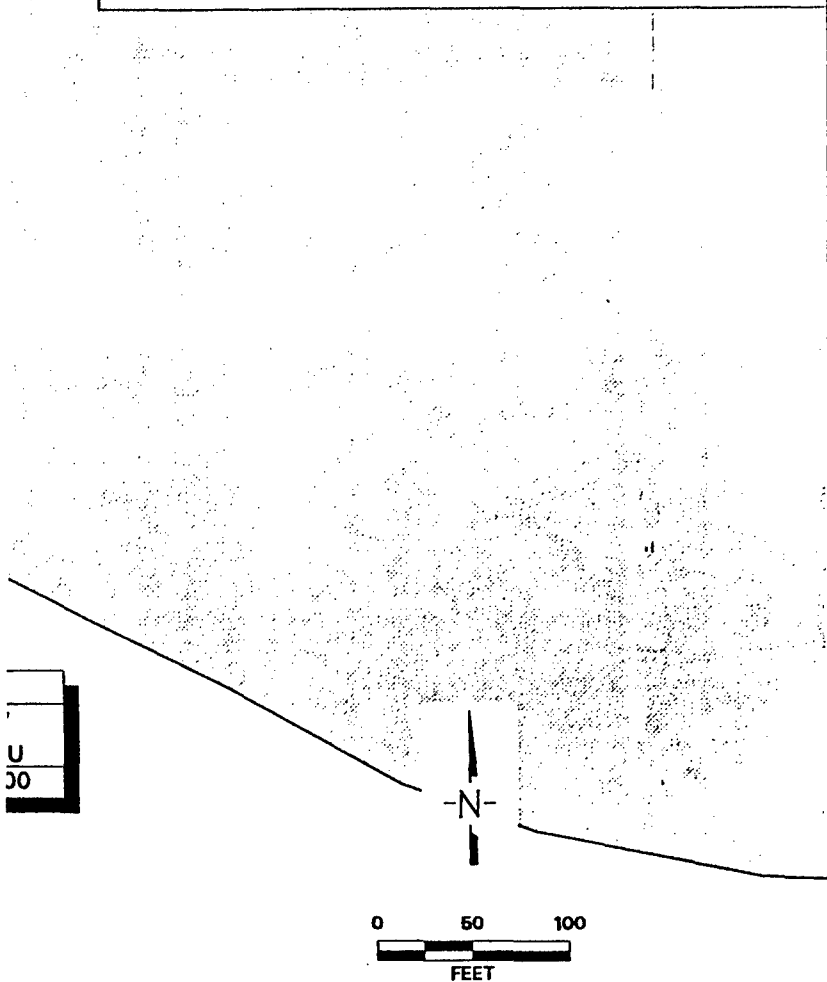
Date: January 1997

Figure

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
● SOIL BORING
△ SURFACE SOIL SAMPLE
○ APPROXIMATE LOCATIONS OF FORMER USTs
■ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26435

Date: January 1997

Figure 10.5-4



San Francisco Bay

2

EXPLANATION



MONITORING WELL WITH SOI
SAMPLES



SOIL BORING



SURFACE SOIL SAMPLE



APPROXIMATE LOCATIONS OF
FORMER USTs



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY
ARE INCLUDED AT THE END OF THIS
SECTION.

CGGW02		
DEPTH	2.0'	3.5'
LITHOLOGY	BE/DU	BE/DU
Cadmium	<0.515	0.690

CGSS03	
DEPTH	0.5'
LITHOLOGY	FILL
Cadmium	<1.200

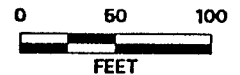
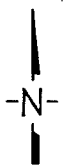
CGSS02	
DEPTH	0.5'
LITHOLOGY	FILL
Cadmium	3.111

CGGW03		
DEPTH	0.5'	5.0'
LITHOLOGY	FILL	BE/DU
Cadmium	<0.515	<0.515

CGS008	
DEPTH	1.0'
LITHOLOGY	FILL
Cadmium	<1.200

CGSS01	
DEPTH	0.5'
LITHOLOGY	FILL
Cadmium	<1.200

CGSS05	
DEPTH	0.5'
LITHOLOGY	FILL
Cadmium	<1.200



DAMES & MOORE

MISCELLANEOUS SITE
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF CADMIUM

PSF26441

Date: January 1997

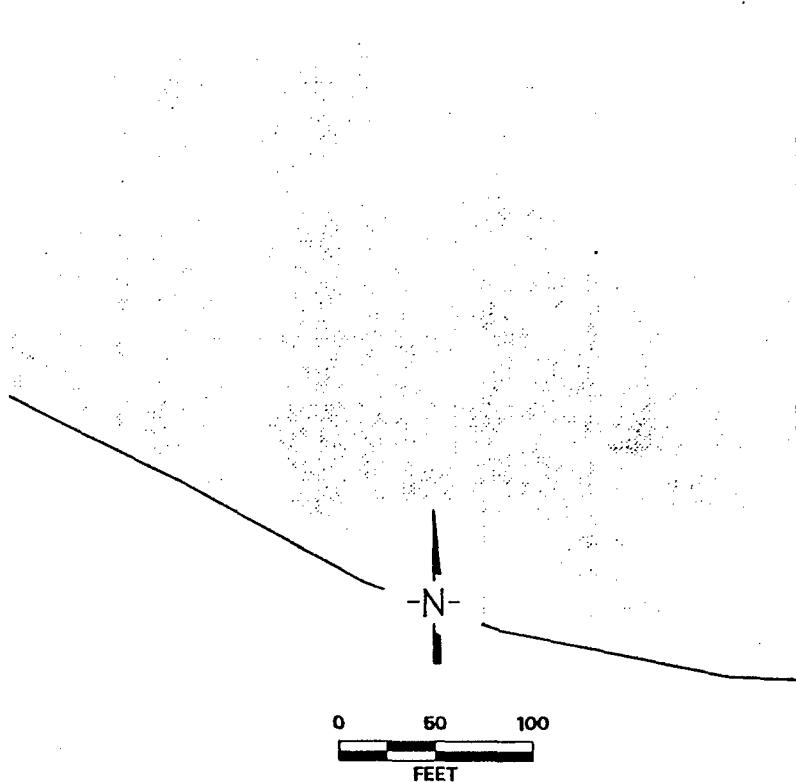
Figure

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
● SOIL BORING
△ SURFACE SOIL SAMPLE
⋯ APPROXIMATE LOCATIONS OF FORMER USTs
■ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

**DAMES & MOORE**

**MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF CADMIUM IN SOIL**

PSF26441

Date: January 1997

Figure 10.5-5

1

CGS002		
DEPTH	1.0'	2.0'
Benzo(b)fluoranthene	<0.310	<0.310

CGS004		
DEPTH	1.0'	5.0
Benzo(b)fluoranthene	<0.310	<0.3

CGS003		
DEPTH	2.0'	3.0'
Benzo(b)fluoranthene	<0.310	<0.310

995SB02	
DEPTH	2.0'
Benzo(b)fluoranthene	<0.120

CGGW02		
DEPTH	2.0'	3.5'
Benzo(b)fluoranthene	<0.033	<0.033

995SB01		
DEPTH	2.0'	4.0'
Benzo(b)fluoranthene	<0.120	<0.120

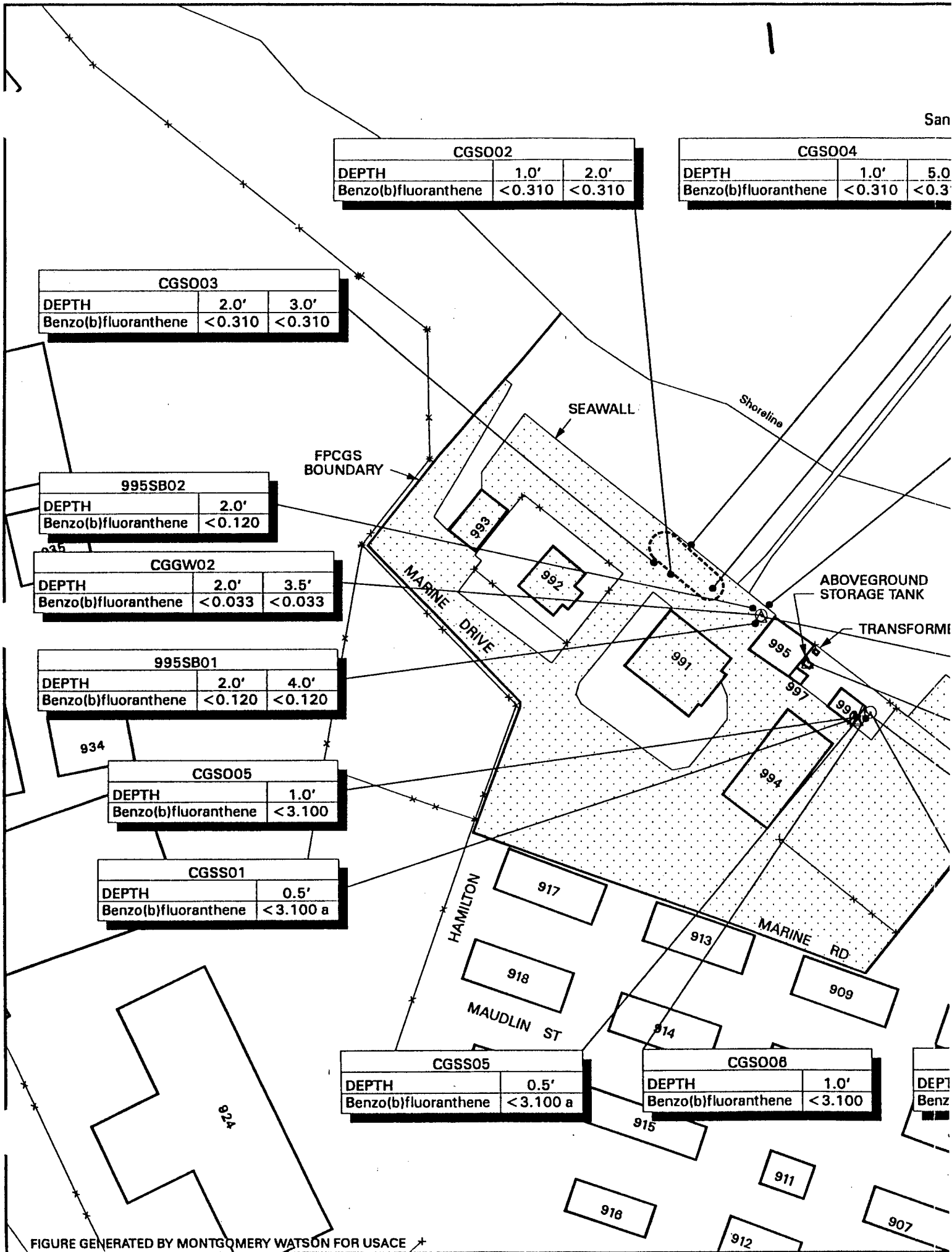
CGS005	
DEPTH	1.0'
Benzo(b)fluoranthene	<3.100

CGSS01	
DEPTH	0.5'
Benzo(b)fluoranthene	< 3.100 a

CGSS05	
DEPTH	0.5'
Benzo(b)fluoranthene	<3.100 a

CGS008	
DEPTH	1.0'
Benzo(b)fluoranthene	<3.100

DEPT
Benz



San Francisco Bay

GS004		
	1.0'	5.0'
Benzo(b)fluoranthene	<0.310	<0.310

CGS001		
DEPTH	2.0'	
Benzo(b)fluoranthene	<0.310	

995SB03		
DEPTH	2.0'	4.0'
Benzo(b)fluoranthene	<0.120	<1.20 a

CGSS03		
DEPTH	0.5'	
Benzo(b)fluoranthene	29.073 a	

CGSS04		
DEPTH	0.5'	
Benzo(b)fluoranthene	<3.100 a	

CGSS02		
DEPTH	0.5'	
Benzo(b)fluoranthene	<3.100 a	

CGGW03			
DEPTH	0.5'	5.0'	
Benzo(b)fluoranthene	<0.033	<0.033	

2

EXPLANATION



MONITORING WELL WITH SOI SAMPLES



SOIL BORING



SURFACE SOIL SAMPLE



APPROXIMATE LOCATIONS OF FORMER USTs

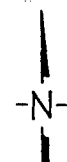


SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
2. DATA FOOTNOTE AND LITHOLOGICAL INFORMATION ARE INCLUDED AT THE END OF THIS SECTION.

ABOVEGROUND STORAGE TANK

TRANSFORMER



0 50 100
FEET



DAMES & MC

MISCELLANEOUS SITE DATA
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF BENZO(B)FLUORANTHENE

PSF26437

Date: January 1997

Figure

EXPLANATION

MONITORING WELL WITH SOIL
SAMPLES



SOIL BORING



SURFACE SOIL SAMPLE



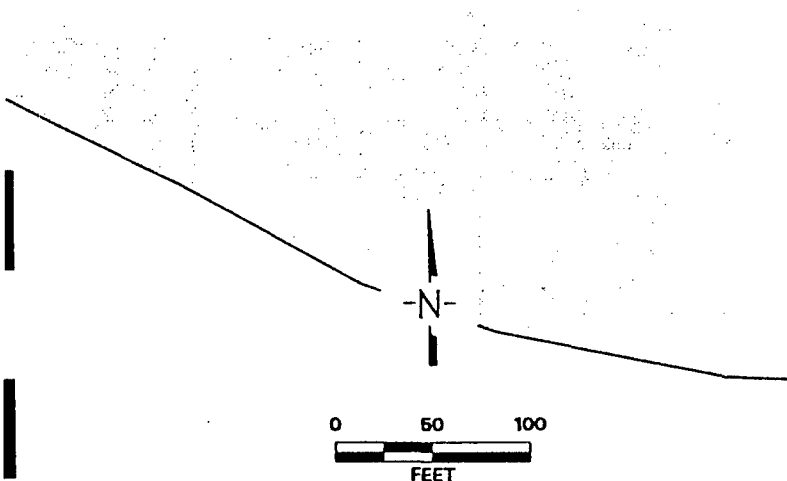
APPROXIMATE LOCATIONS OF
FORMER USTs



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF BENZO(B)FLUORANTHENE IN SOIL

PSF26437

Date: January 1997

Figure 10.5-6

Sar

CGS002		
DEPTH	1.0'	2.0'
Benzo(k)fluoranthene	<0.130	<0.130

CGS004		
DEPTH	1.0'	5.0'
Benzo(k)fluoranthene	<0.130	<0.130

CGS003		
DEPTH	2.0'	3.0'
Benzo(k)fluoranthene	<0.130	<0.130

995SB02		
DEPTH	2.0'	
Benzo(k)fluoranthene	<0.0625	

CGGW02		
DEPTH	2.0'	3.5'
Benzo(k)fluoranthene	<0.033	<0.033

995SB01		
DEPTH	2.0'	4.0'
Benzo(k)fluoranthene	<0.0625	<0.0625

CGS005		
DEPTH	1.0'	
Benzo(k)fluoranthene	<1.300	

CGSS01		
DEPTH	0.5'	
Benzo(k)fluoranthene	<1.300 a	

CGSS05		
DEPTH	0.5'	
Benzo(k)fluoranthene	<1.300 a	

CGS008		
DEPTH	1.0'	
Benzo(k)fluoranthene	<1.300	

DEPTH		
Benzo(k)fluoranthene		

FPCGS
BOUNDARY

SEAWALL

Shoreline

MARINE DRIVE

ABOVEGROUND
STORAGE TANK

TRANSFORM

934

HAMILTON

917

918

MAUDLIN ST

913

914

MARINE RD

909

916

911

912

907

924

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

San Francisco Bay

CGS004		
DEPTH	1.0'	5.0'
Benzo(k)fluoranthene	<0.130	<0.130

CGS001	
DEPTH	2.0'
Benzo(k)fluoranthene	<0.130

995SB03		
DEPTH	2.0'	4.0'
Benzo(k)fluoranthene	<0.0825	<0.625 a

CGSS03	
DEPTH	0.5'
Benzo(k)fluoranthene	29.624 a

CGSS04	
DEPTH	0.5'
Benzo(k)fluoranthene	< 1.300 a

CGSS02	
DEPTH	0.5'
Benzo(k)fluoranthene	< 1.300 a

CGS008	
DEPTH	1.0'
Benzo(k)fluoranthene	< 1.300

CGGW03		
DEPTH	0.5'	5.0'
Benzo(k)fluoranthene	<0.033	<0.033

- EXPL
- MONITORING V SAMPLES
 - SOIL BORING
 - △ SURFACE SOIL
 - APPROXIMATE FORMER USTs
 - SURFACES COVERED BY PAVEMENT OR

NOTE: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER GRAM (UG/G)
2. DATA POINTS WITH "a" ARE INCLUDED AT THE BOTTOM OF THE SECTION.

ABOVEGROUND STORAGE TANK

TRANSFORMER

MARINE RD





MISCELLANEOUS
FORT POINT U.S. C
CONCENTRATIONS OF BEN

PSF26438

Date: January 1997

EXPLANATION

- MONITORING WELL WITH SOIL SAMPLES
- SOIL BORING
- △ SURFACE SOIL SAMPLE
-  APPROXIMATE LOCATIONS OF FORMER USTs
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

y'
25 a

a
a
a
a

0 50 100
FEET



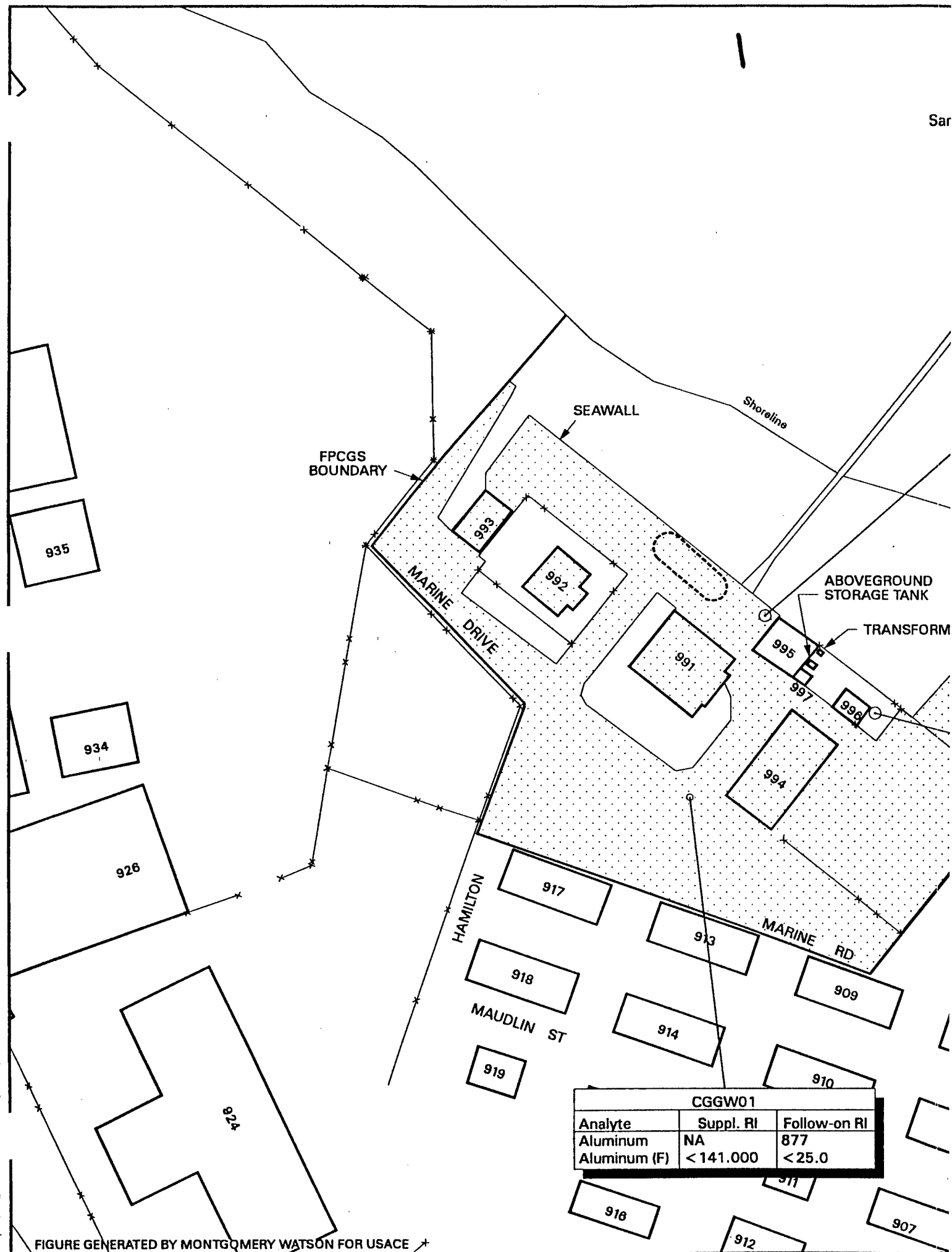
DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF BENZO(K)FLUORANTHENE IN SOIL

PSF26438

Date: January 1997

Figure 10.5-7



San Francisco Bay

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SC SAMPLES
- ⋯ APPROXIMATE LOCATIONS OF FORMER USTs
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORT
 2. DATA FOOTNOTE AND LITHOLOG ARE INCLUDED AT THE END OF THE SECTION.
 3. (F) INDICATES FILTERED SAMPLE
 4. NA = NOT ANALYZED

CGGW02		
Analyte	Suppl. RI	Follow-on RI
Aluminum	NA	3650
Aluminum (F)	< 141.000	< 25.0

CGGW03		
Analyte	Suppl. RI	Follow-on RI
Aluminum	< 141.000	282 f
Aluminum (F)	< 141.000	< 25.0

ABOVEGROUND
- STORAGE TANK

TRANSFORMER

RD

N

 0 50 100
 FEET
**DAMES & MOORE**

MISCELLANEOUS SITE
 FORT POINT U.S. COAST GUARD STATION
 CONCENTRATIONS OF ALUMINUM IN GROUNDWATER

PSF26436

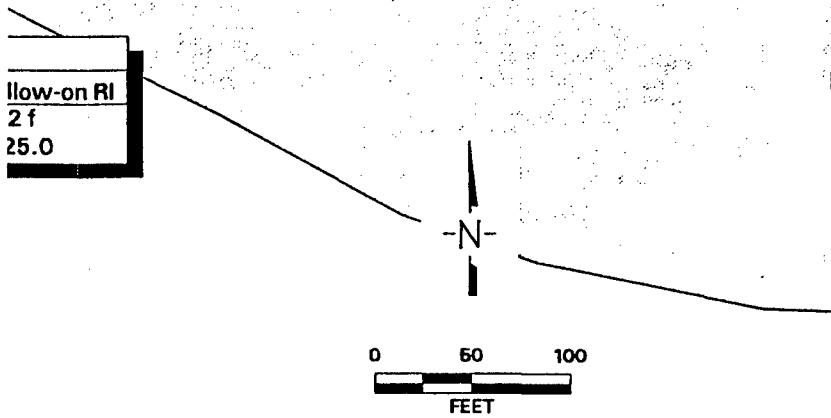
Date: January 1997

Figure 1

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⬭ APPROXIMATE LOCATIONS OF FORMER USTs
- ▤ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED



DAMES & MOORE

**MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ALUMINUM IN GROUNDWATER**

PSF26436

Date: January 1997

Figure 10.5-8

Sar

FPCGS
BOUNDARY

SEAWALL

Shoreline

ABOVEGROUND
STORAGE TANK

TRANSFORM

MARINE DRIVE

MARINE RD

HAMILTON

MAUDLIN ST

CGGW01		
Analyte	Suppl. RI	Follow-on RI
Antimony	NA	3.26 f
Antimony (F)	< 38.000	10.6

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

17_01.mxd, profile base, FPCGS, W, 2.gm, PDF

04 Sep 96 17:19:26 Wednesday

2

San Francisco Bay

EXPLANATION

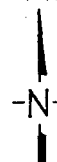
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⋯ APPROXIMATE LOCATIONS OF FORMER USTs
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS μ
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURE SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

CGGW02		
Analyte	Suppl. RI	Follow-on RI
Antimony	NA	< 1.11
Antimony (F)	< 38.000	7.20

CGGW03		
Analyte	Suppl. RI	Follow-on RI
Antimony	< 38.000	< 1.11
Antimony (F)	< 38.000	4.70

EGROUND
AGE TANK
TRANSFORMER



0 50 100
FEET



DAMES & MOOR

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ANTIMONY IN GROUND

PSF26440

Date: January 1997

Figure 10.5

905

902

908

903

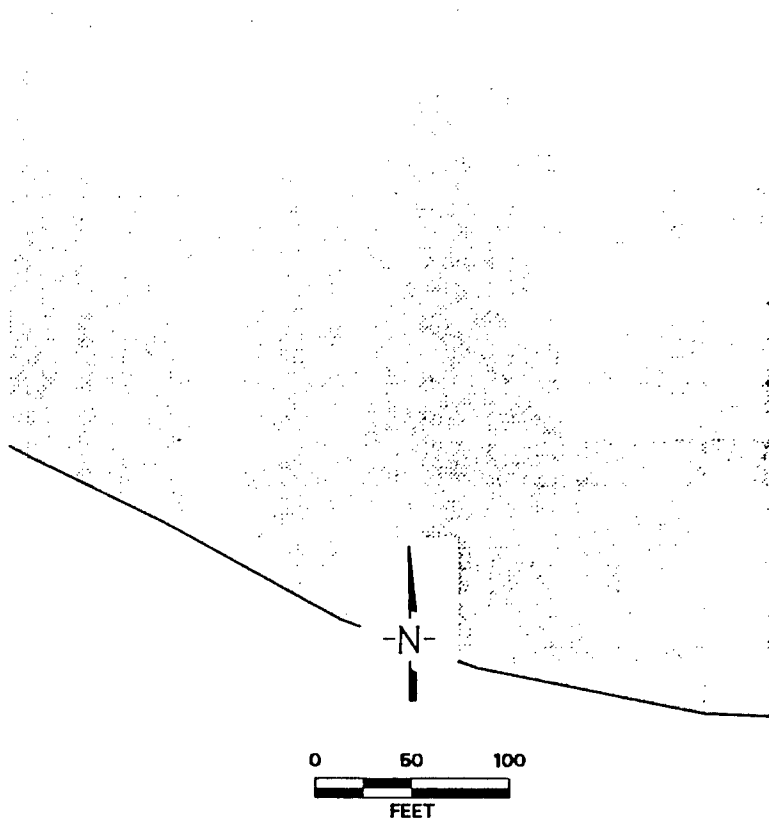
907

n RI

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⌊ APPROXIMATE LOCATIONS OF FORMER USTs
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

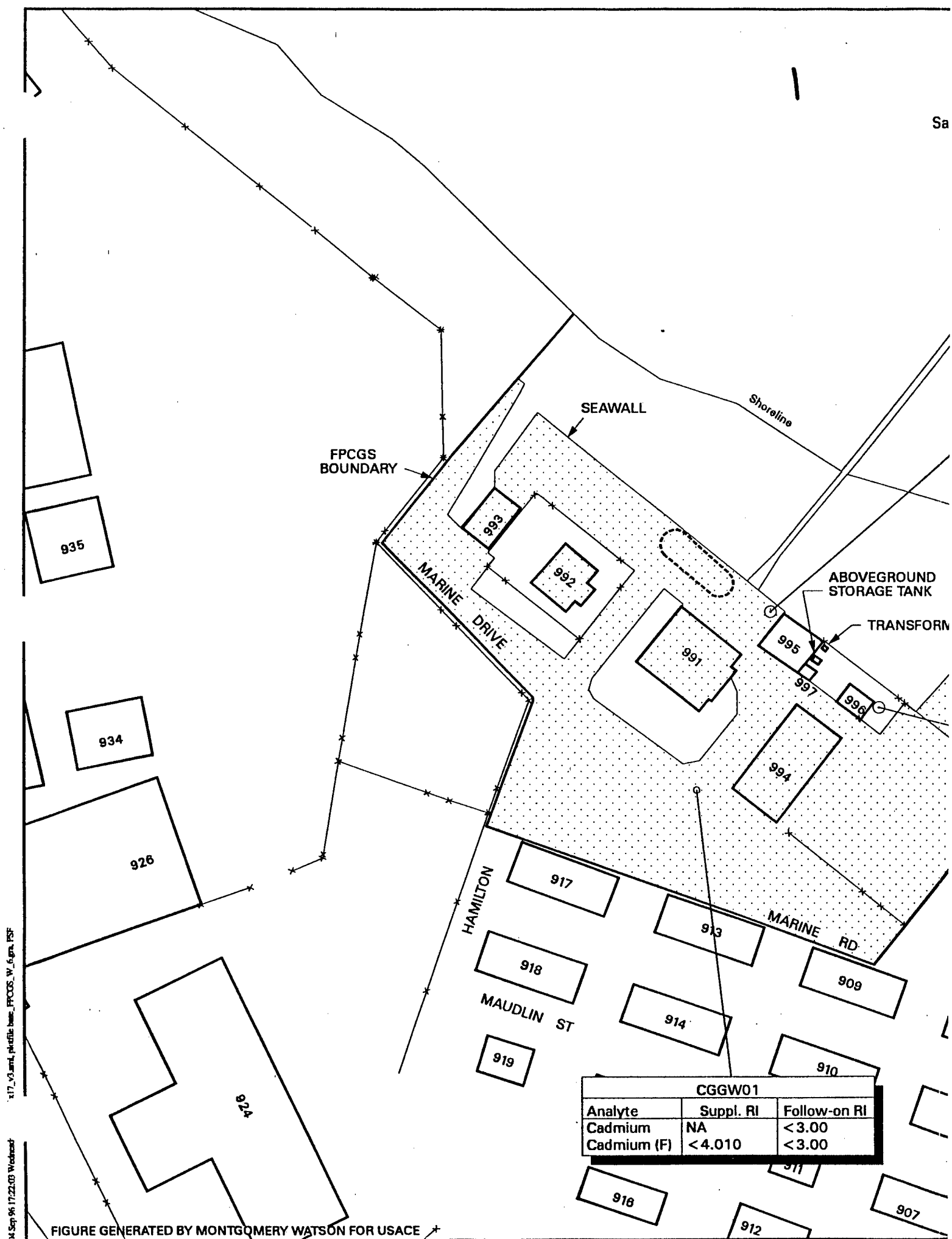
**DAMES & MOORE**

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF ANTIMONY IN GROUNDWATER

PSF26440

Date: January 1997

Figure 10.5-9



San Francisco Bay

2

EXPLANATION

- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⬭ APPROXIMATE LOCATIONS OF FORMER USTs
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

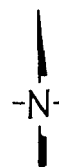
CGGW02		
Analyte	Suppl. RI	Follow-on RI
Cadmium	NA	< 3.00
Cadmium (F)	< 4.010	< 3.00

CGGW03		
Analyte	Suppl. RI	Follow-on RI
Cadmium	< 4.010	62.0
Cadmium (F)	< 4.010	< 3.00

ABOVEGROUND STORAGE TANK

TRANSFORMER

RD



0 50 100
FEET



DAMES & MOO

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD ST/
CONCENTRATIONS OF CADMIUM IN GROL

PSF26442

Date: January 1997

Figure 1C

EXPLANATION

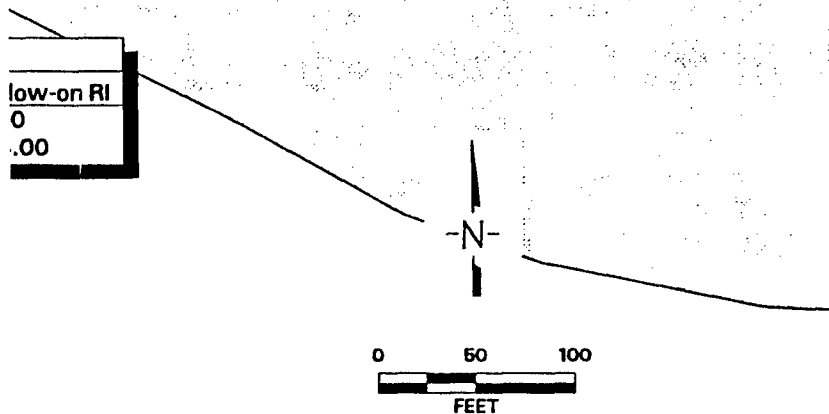
- MONITORING WELL
- ⊙ MONITORING WELL WITH SOIL SAMPLES
- ⌊ APPROXIMATE LOCATIONS OF FORMER USTs
- ▤ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

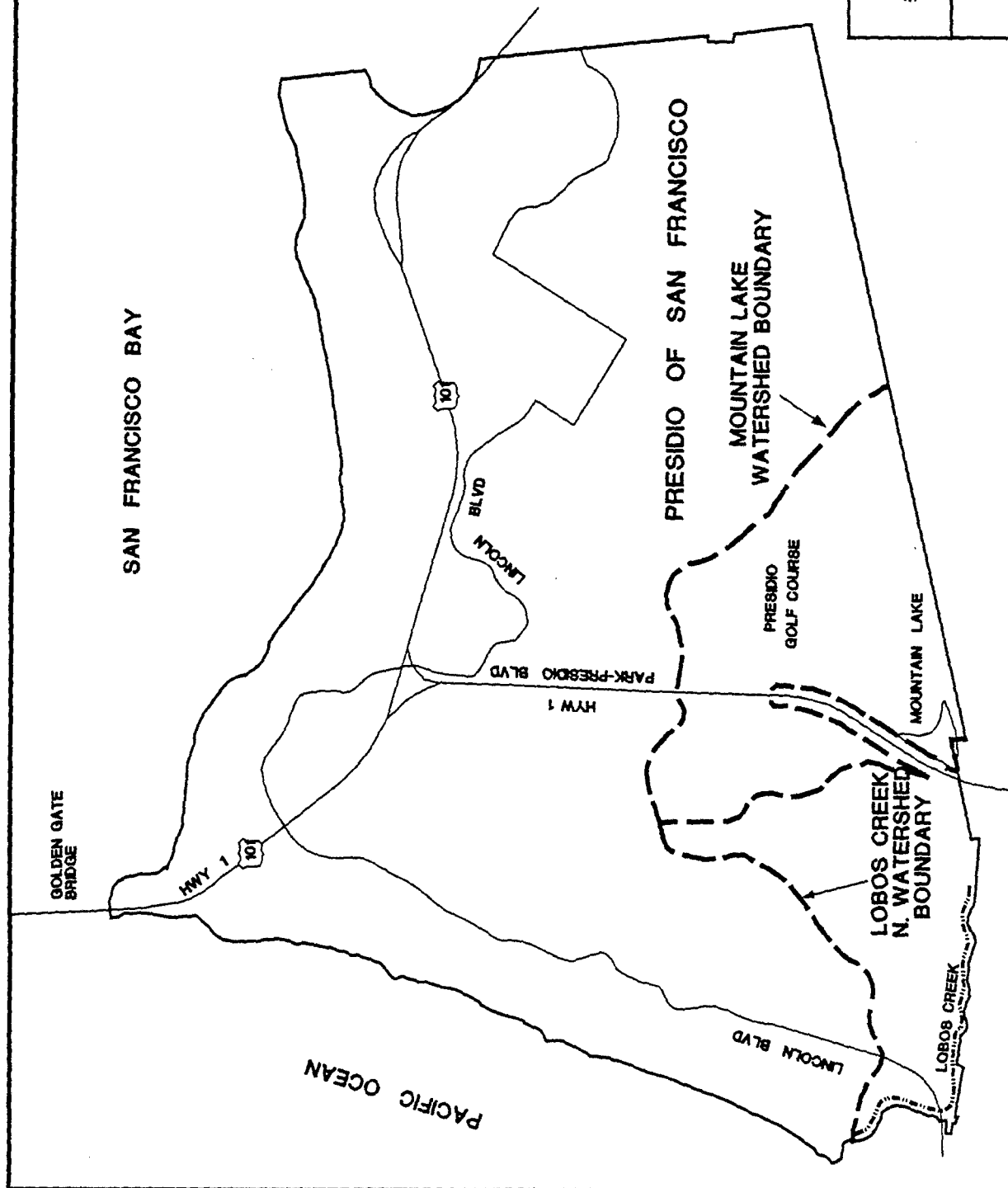

DAMES & MOORE

MISCELLANEOUS SITES
FORT POINT U.S. COAST GUARD STATION
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26442

Date: January 1997

Figure 10.5-10



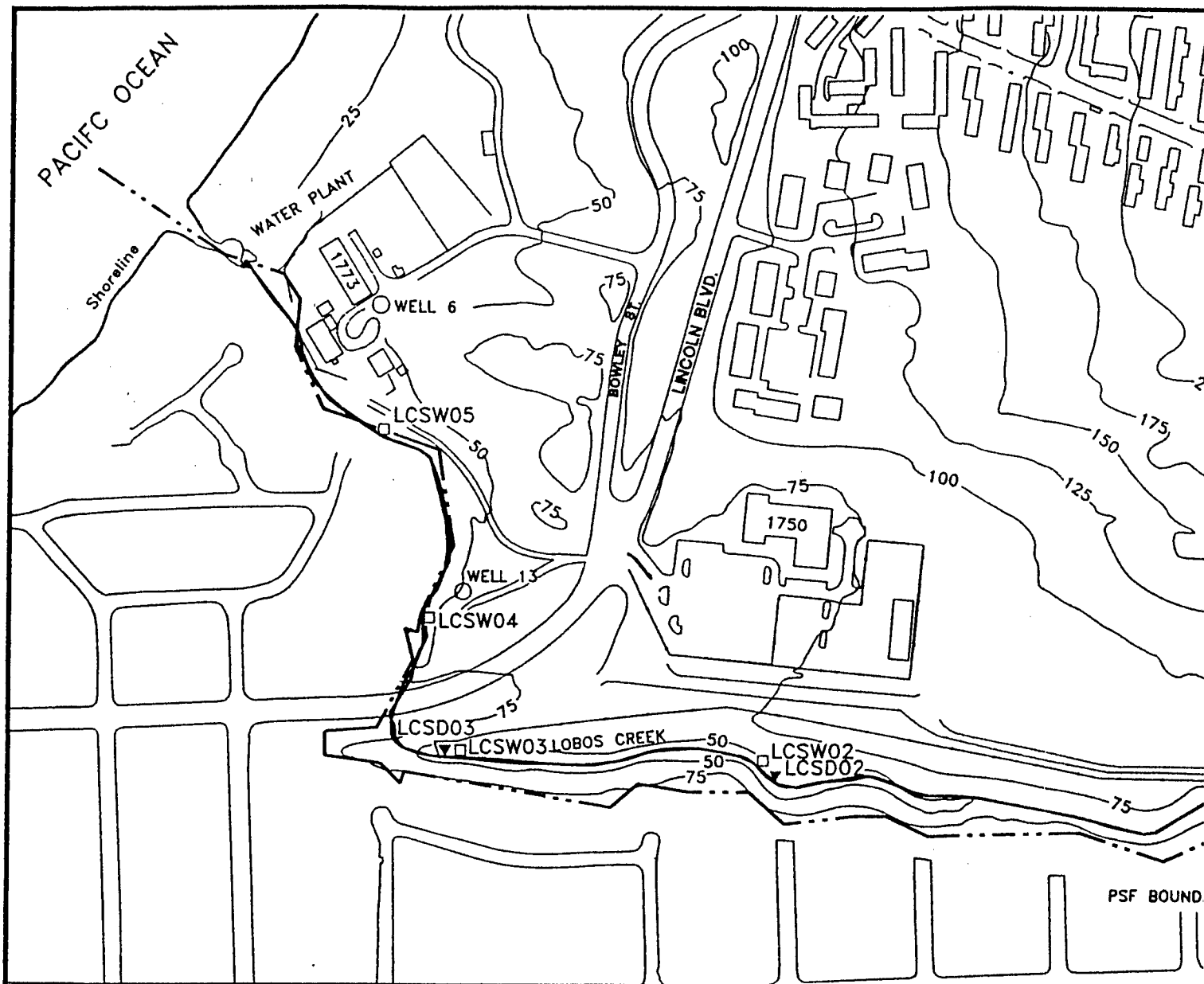
(LOBOS CREEK WATERSHED BOUNDARY SOUTH OF THE PSF IS SHOWN ON FIGURE 10.6-2)

DAMES & MOORE

**MISCELLANEOUS SITES
MOUNTAIN LAKE & LOBOS CREEK
WATERSHED BOUNDARIES**

PSF25158/DV2

Date: January 1997 Figure 10.6-1

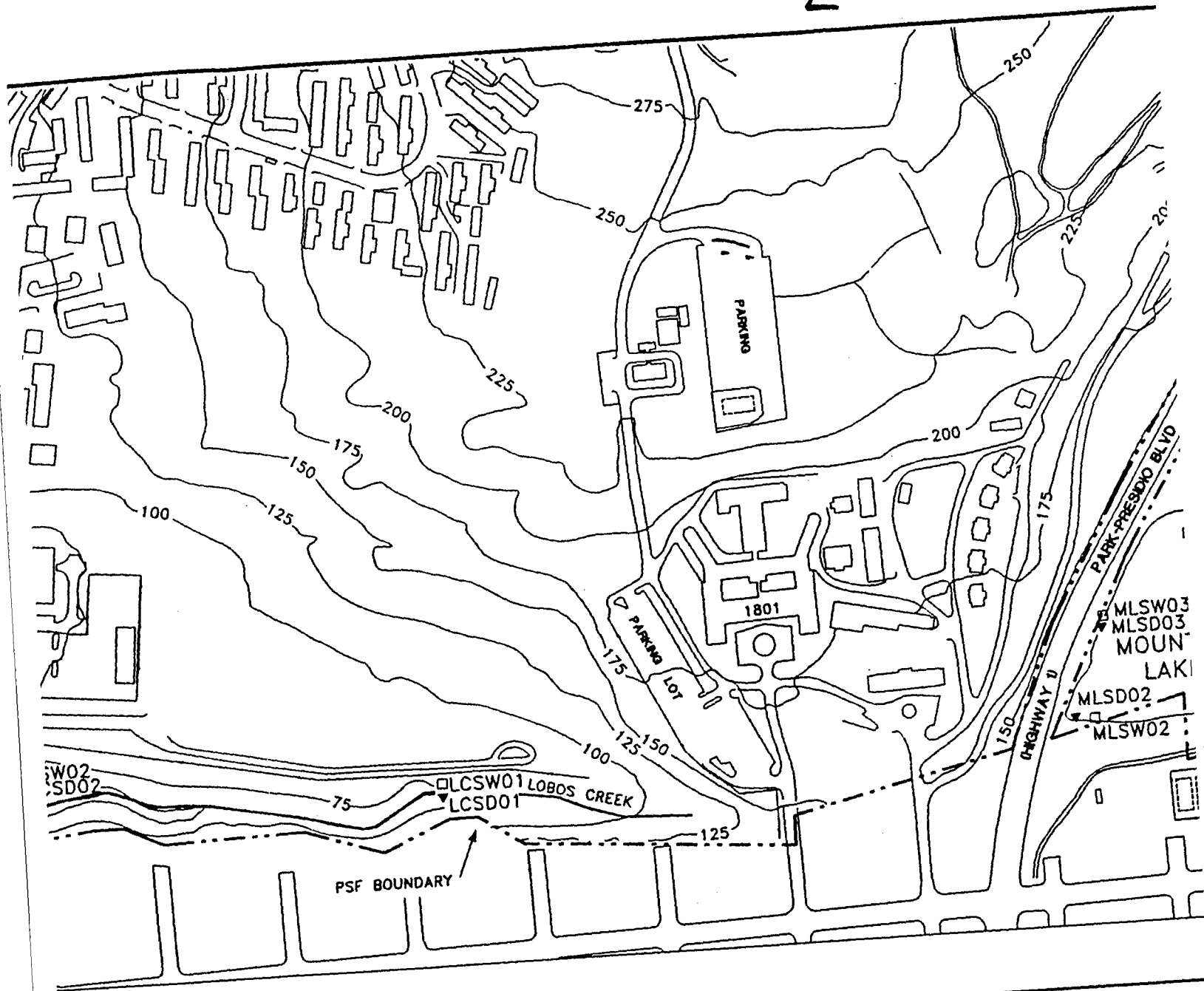


EXPLANATION

- ▼ SEDIMENT SAMPLE
- ⊕ DISCRETE GROUNDWATER SAMPLE
- ⊕ IRRIGATION WELL
- SOURCE WATER WELL
- SURFACE WATER SAMPLE

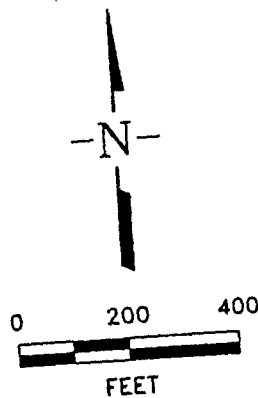
— 275 — TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



41C CONTOUR
INTERVAL 25 FEET

5 IN
IDIO LOWER LOW WATER



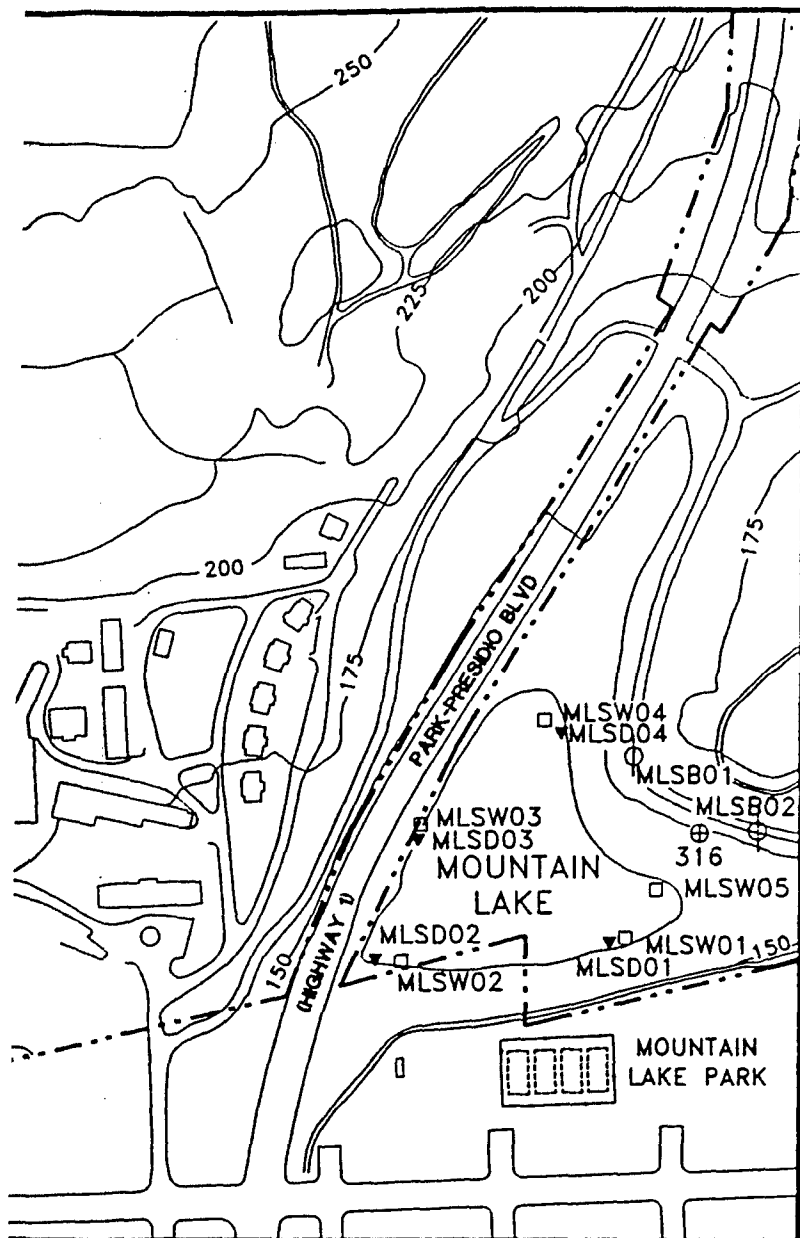
 DAMES & MOORE

MISCELLANEOUS
MOUNTAIN LAKE, LOBO
& SOURCE WATER
SAMPLE LOCATIONS

PSF25046/DV2

Date: January 1997

Figure

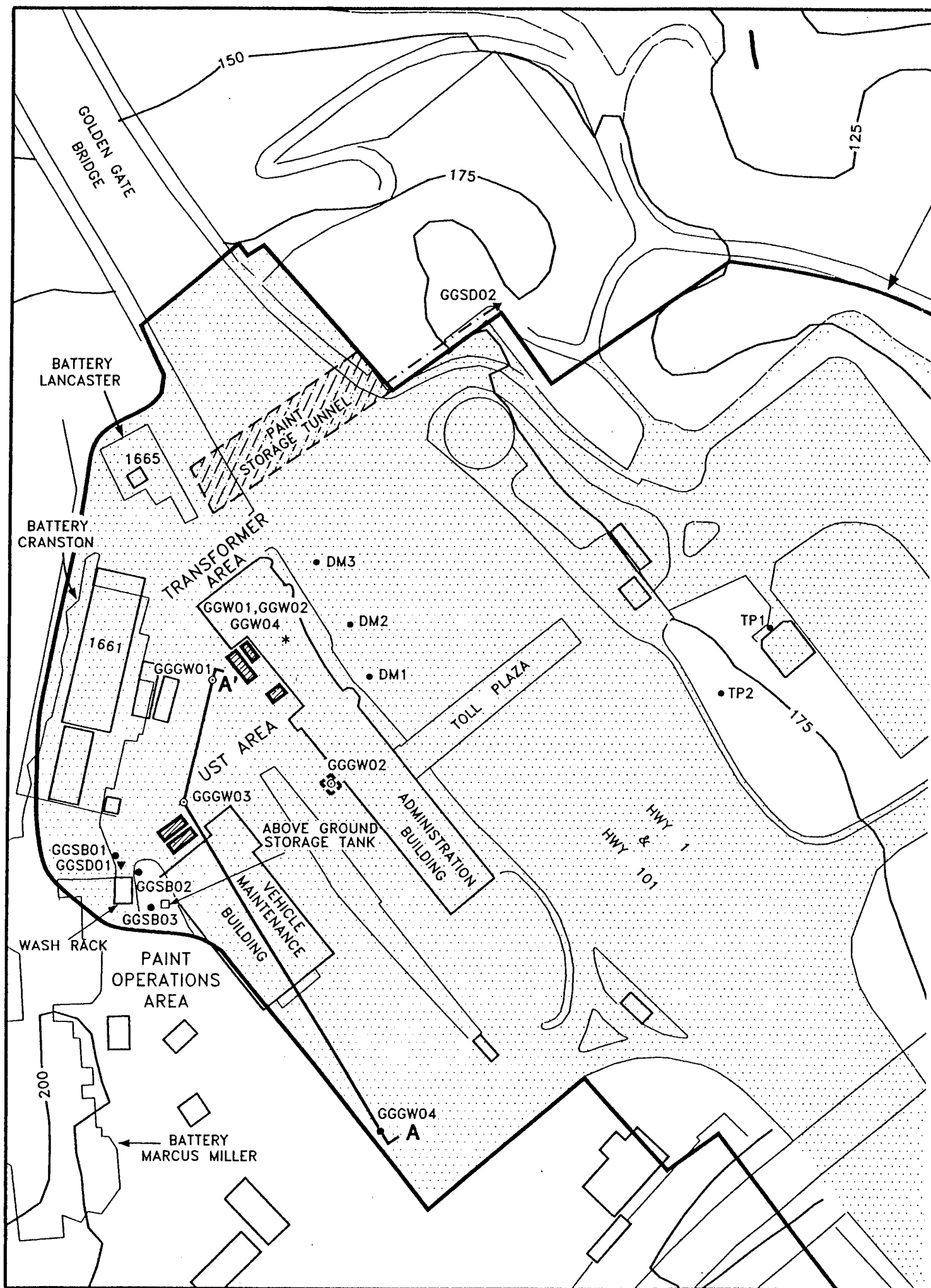


MISCELLANEOUS SITES
MOUNTAIN LAKE, LOBOS CREEK
& SOURCE WATER AREAS
SAMPLE LOCATIONS

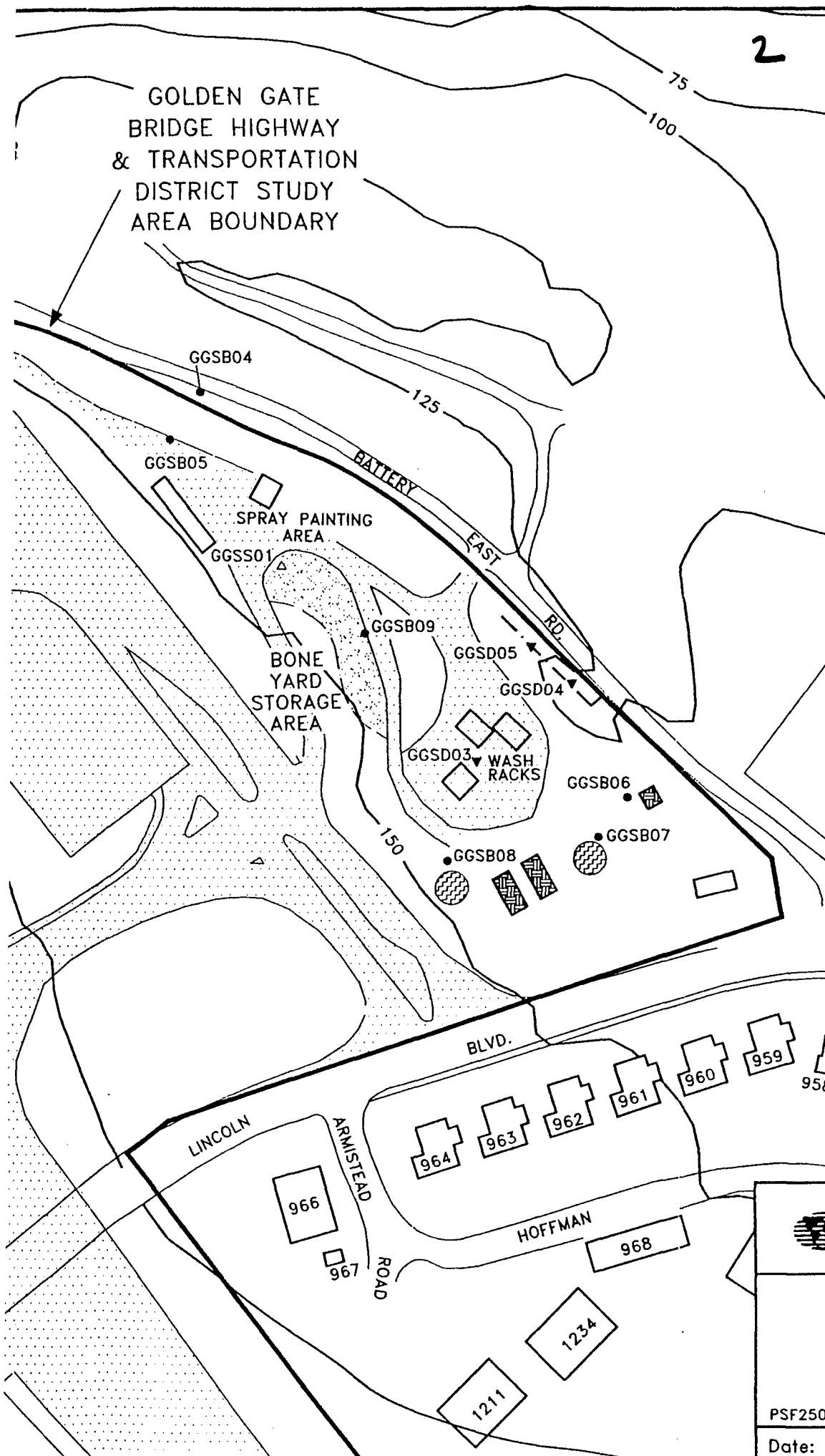
PSF25046/DV2

Date: January 1997

Figure 10.6-3



GOLDEN GATE
BRIDGE HIGHWAY
& TRANSPORTATION
DISTRICT STUDY
AREA BOUNDARY

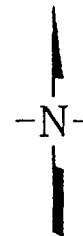


EXPLANATION

- * WIPE SAMPLE
- ▼ SEDIMENT SAMPLE
- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL WITH SOIL SAMPLES
- A A' CROSS SECTION LOCATIC
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDING
- [Pattern] UST
- [Pattern] FORMER UST LOCATION
- [Pattern] LOCKED STORAGE BUILD
- [Pattern] SCRAP METAL STORAGE
- [Pattern] ASPHALT & SAND BLAS' STORAGE PILES
- 25- TOPOGRAPHIC CONTOUR CONTOUR INTERVAL 25

ELEVATIONS IN
FEET-PRESIDIO LOWER LOW

NOTE :
SOIL BORINGS WITH IDENTIFI
NUMBERS DM1 THROUGH DM
DRILLED BY DAMES & MOOR
AND TP1 & TP2 WERE DRILL
TRANS PACIFIC (1986).



0 50 100
FEET

DAMES & MOO







**GGBHTD STUDY AREA
SAMPLE & CROSS SECTIO
LOCATIONS**

PSF25035/DV2

Date: January 1997

Figure 11.1

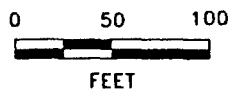
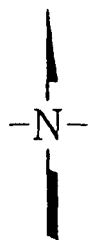
EXPLANATION

- * WIPE SAMPLE
- ▼ SEDIMENT SAMPLE
- △ SURFACE SOIL SAMPLE
- SOIL BORING
- MONITORING WELL
WITH SOIL SAMPLES
- A A' CROSS SECTION LOCATION
-  SURFACES COVERED BY
PAVEMENT OR BUILDINGS
-  UST
-  FORMER UST LOCATION
-  LOCKED STORAGE BUILDING
-  SCRAP METAL STORAGE
-  ASPHALT & SAND BLAST
STORAGE PILES
- 125— TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER

NOTE :

SOIL BORINGS WITH IDENTIFICATION
NUMBERS DM1 THROUGH DM3 WERE
DRILLED BY DAMES & MOORE (1958)
AND TP1 & TP2 WERE DRILLED BY
TRANS PACIFIC (1986).

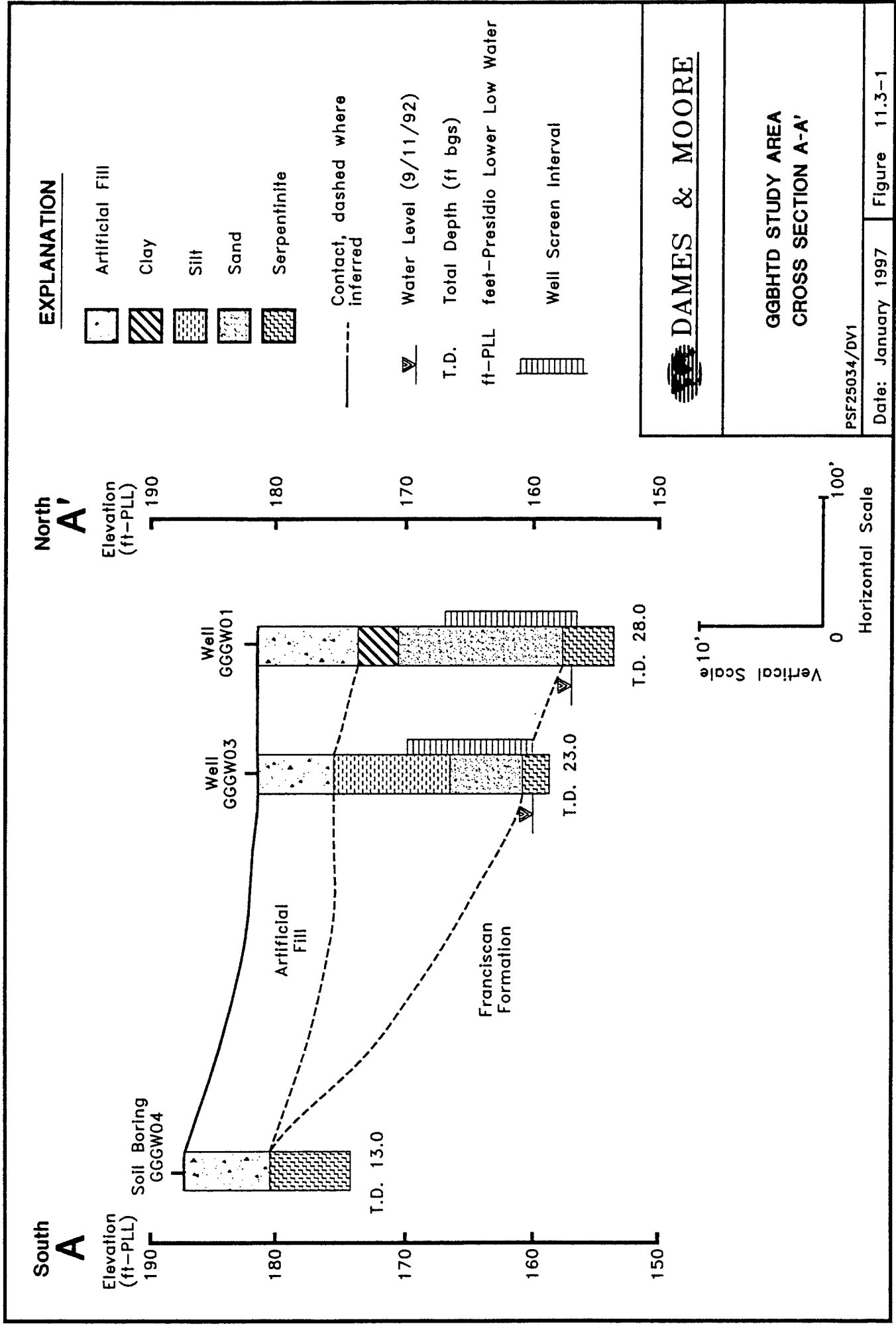
**DAMES & MOORE**

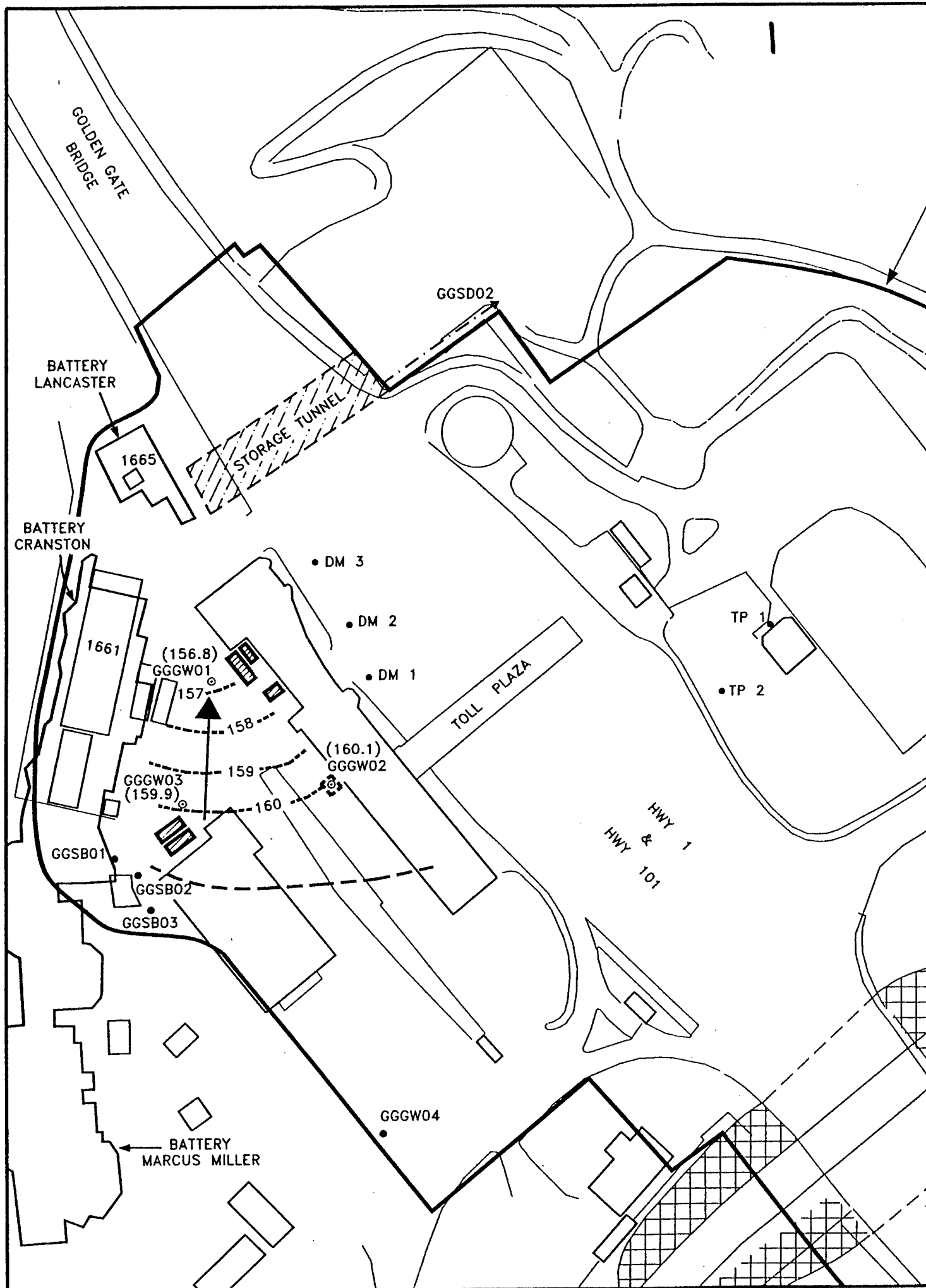
**GGBHTD STUDY AREA
SAMPLE & CROSS SECTION
LOCATIONS**

PSF25035/DV2

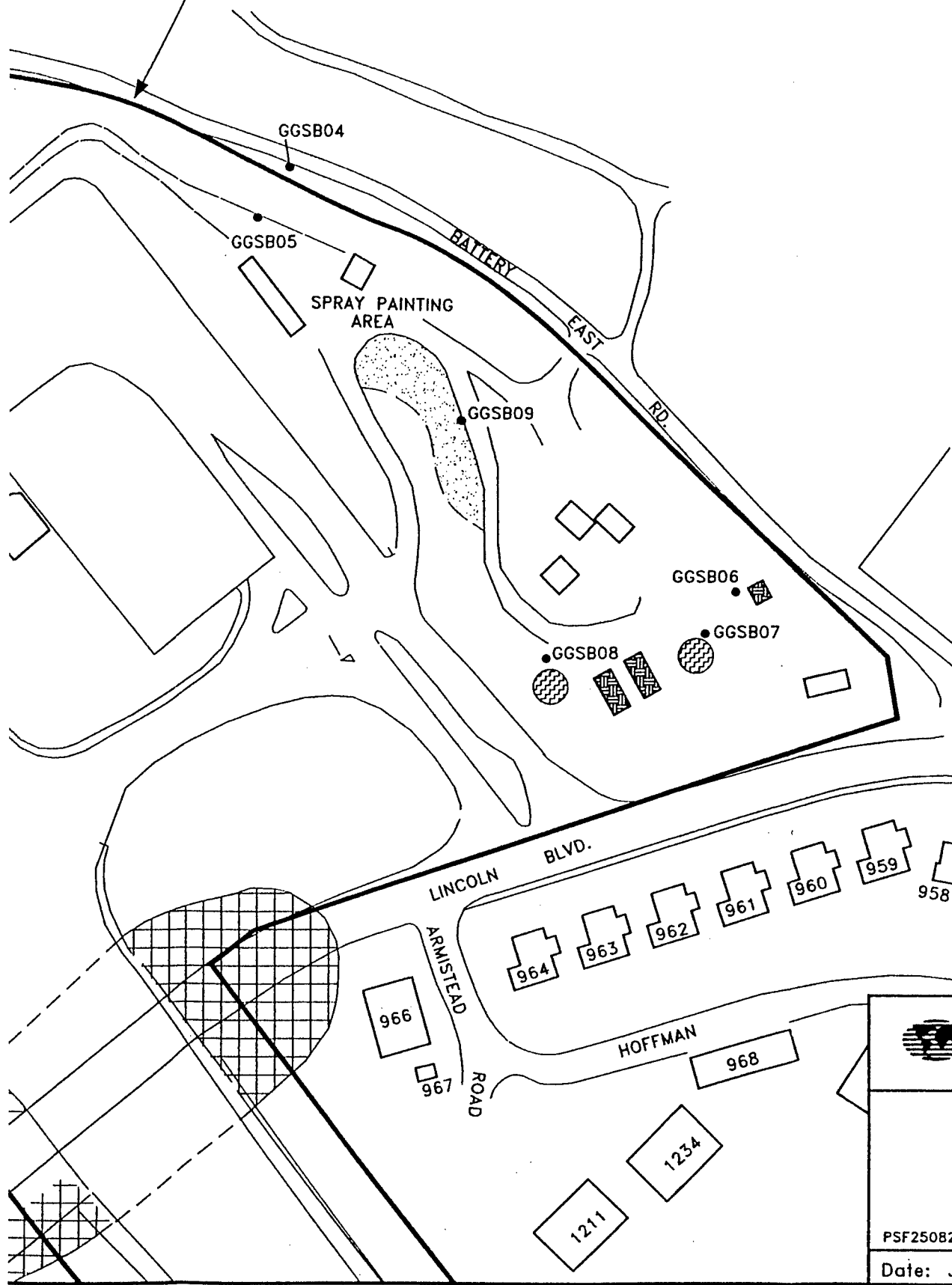
Date: January 1997

Figure 11.1-1





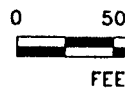
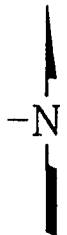
GOLDEN GATE
BRIDGE HIGHWAY
& TRANSPORTATION
DISTRICT STUDY
AREA BOUNDARY



EXPLAN.

- ▼ SEDIMENT SAM
- SOIL BORING
- MONITORING V
(160.1) POTENTIOMETR
ELEVATION
(9/11/92)
- 159— EQUIPOTENTIAL
DASHED WHEE
CONTOUR INTI
- GROUNDWATER
DIRECTION
- ESTIMATED BO
SATURATED AI
SEDIMENT.
- SERPENTINITE
- UST
- FORMER UST
- LOCKED STOR.
- SCRAP METAL
- ASPHALT & S.
STORAGE PILE

NOTE :
SOIL BORINGS WITH
NUMBERS DM1 THF
DRILLED BY DAMES
AND TP1 & TP2 WE
TRANS PACIFIC (19
ELEVATIONS IN FEET—I
LOW WATER









DAMES &

GGBHTD STUDY
POTENTIOMETRIC SL

PSF25082\DV2

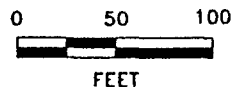
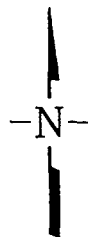
EXPLANATION

- ▼ SEDIMENT SAMPLE
- SOIL BORING
- MONITORING WELL
(160.1) POTENTIOMETRIC SURFACE
ELEVATION (9/11/92)
- 159— EQUIPOTENTIAL CONTOUR,
DASHED WHERE INFERRED
CONTOUR INTERVAL 1 FOOT
- GROUNDWATER FLOW
DIRECTION
- - - ESTIMATED BOUNDARY BETWEEN
SATURATED AND UNSATURATED
SEDIMENT.
-  SERPENTINITE OUTCROP
-  UST
-  FORMER UST LOCATION
-  LOCKED STORAGE BUILDING
-  SCRAP METAL STORAGE
-  ASPHALT & SAND BLAST
STORAGE PILES

NOTE :

SOIL BORINGS WITH IDENTIFICATION
NUMBERS DM1 THROUGH DM3 WERE
DRILLED BY DAMES & MOORE (1958)
AND TP1 & TP2 WERE DRILLED BY
TRANS PACIFIC (1986).

ELEVATIONS IN FEET—PRESIDIO LOWER
LOW WATER



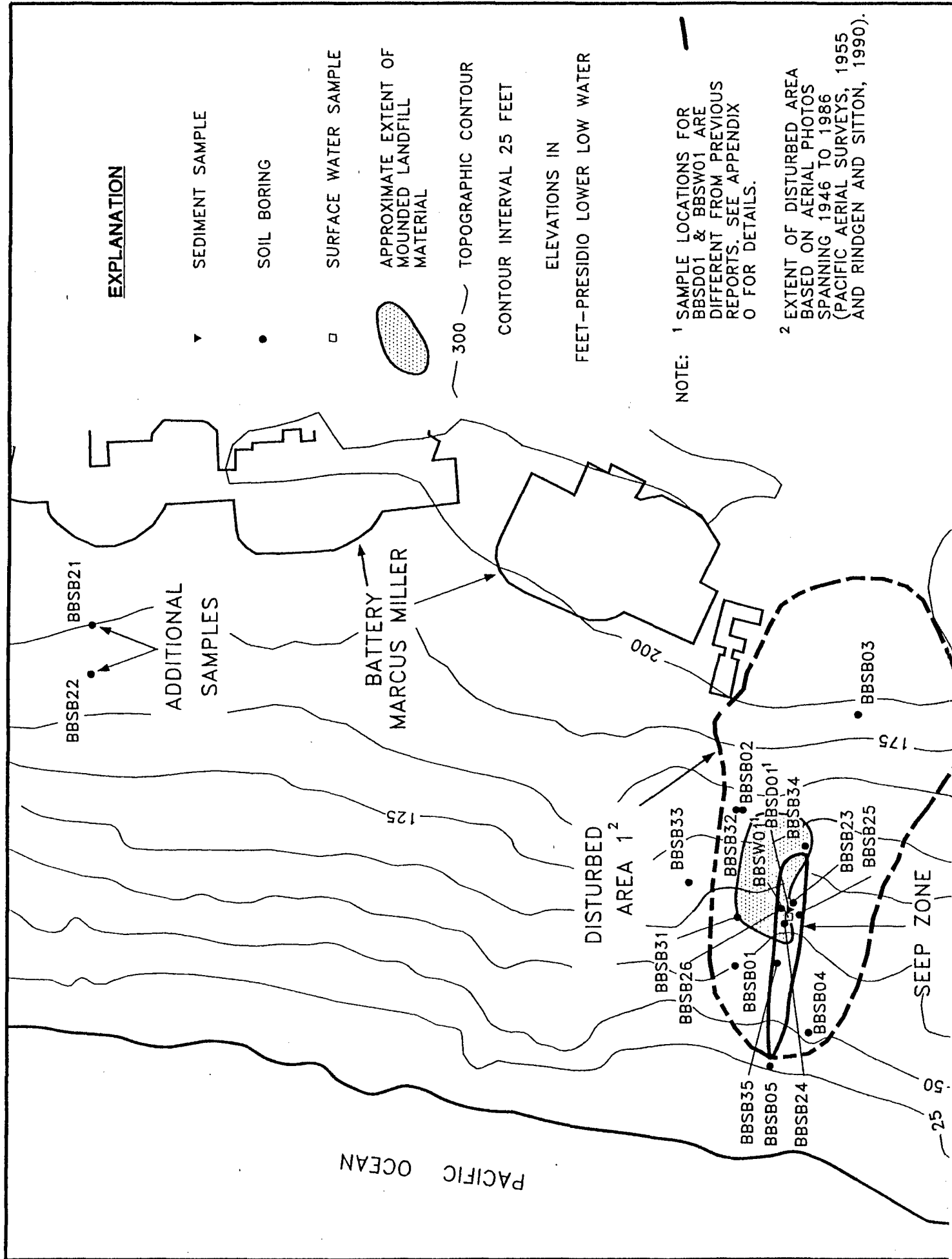
DAMES & MOORE

GGBHTD STUDY AREA POTENTIOMETRIC SURFACE MAP

PSF25082\DV2

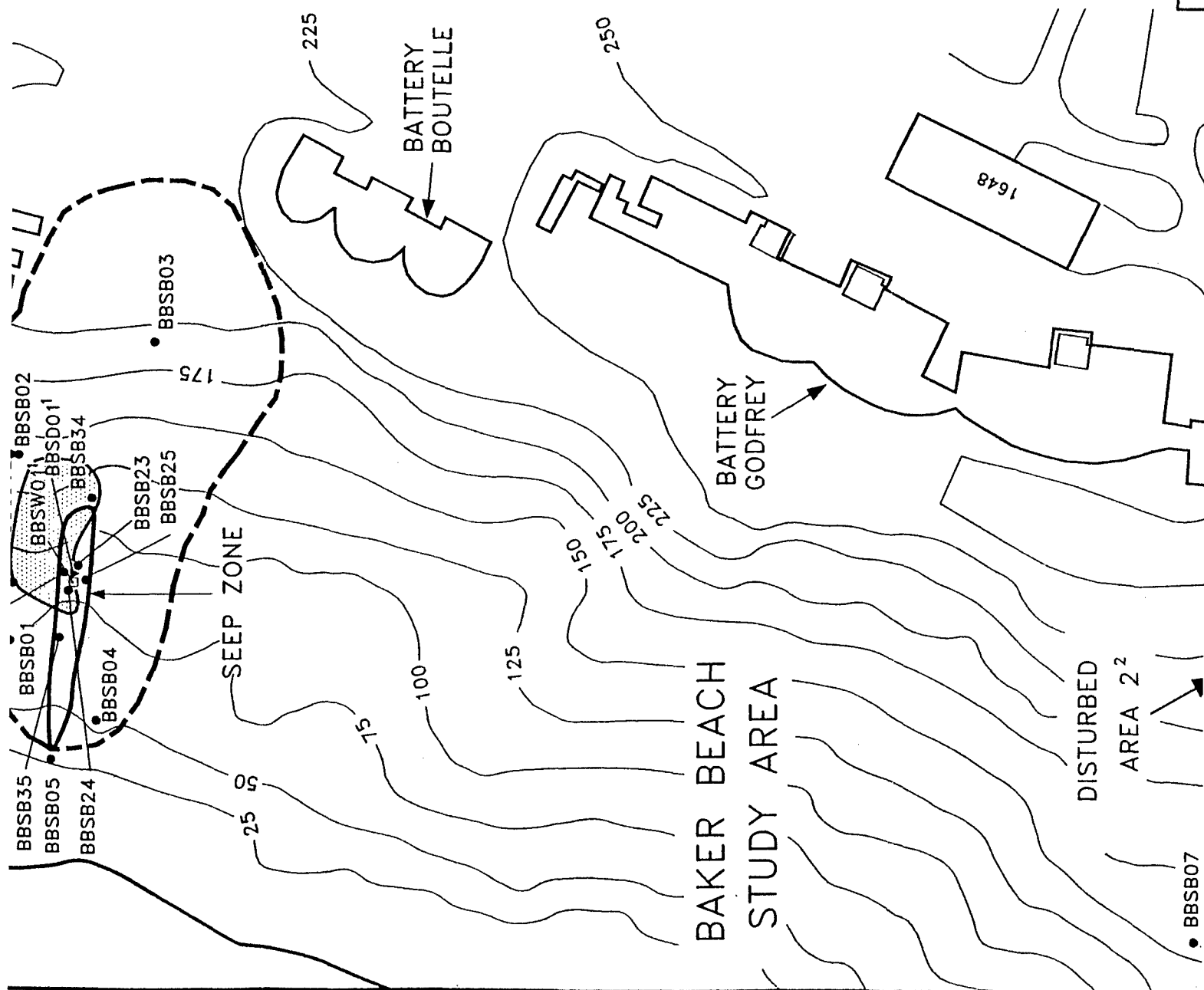
Date: January 1997

Figure 11.3-2

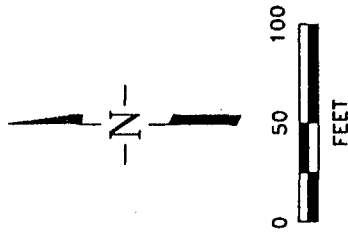


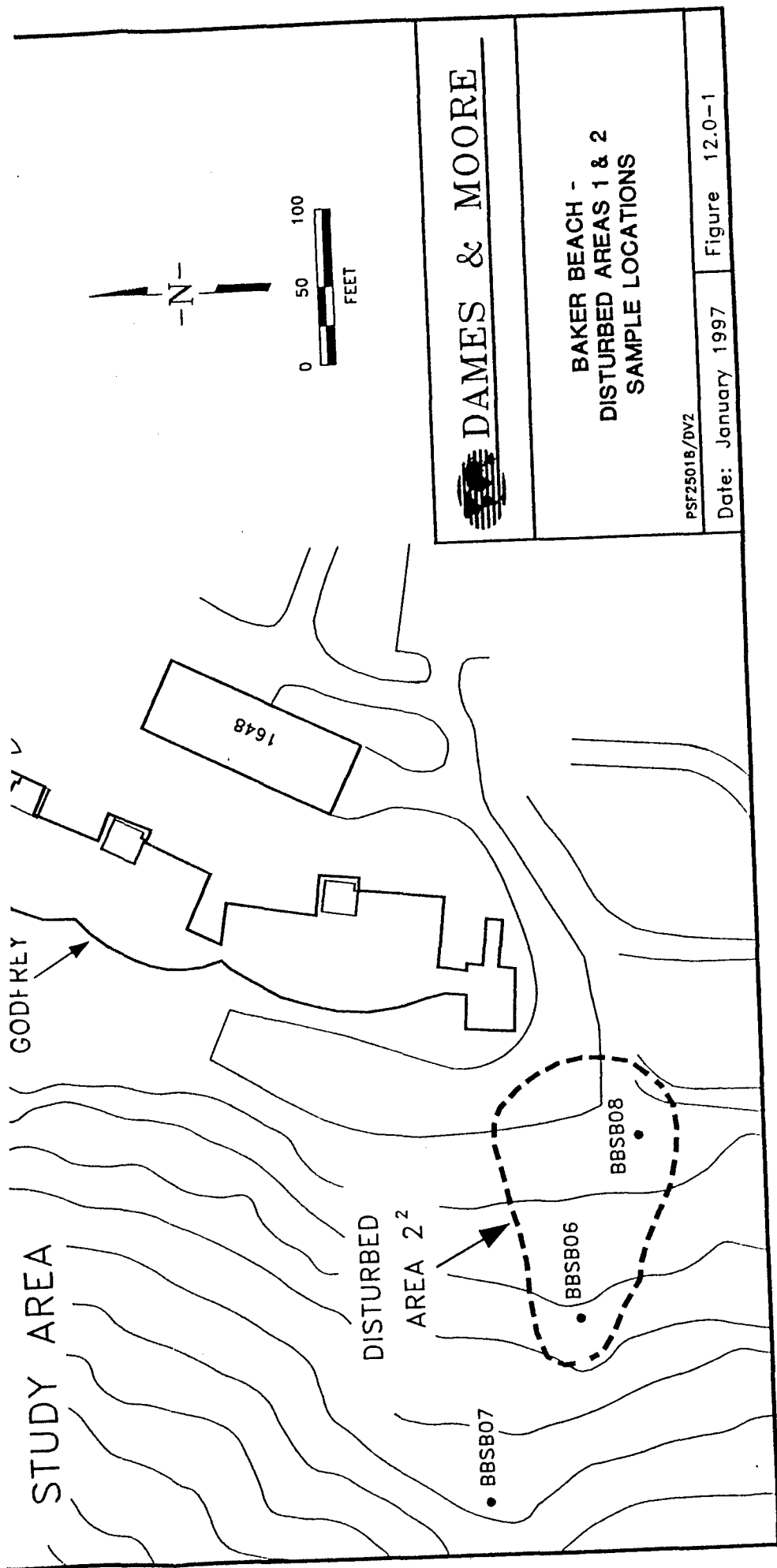
O FOR DETAILS.

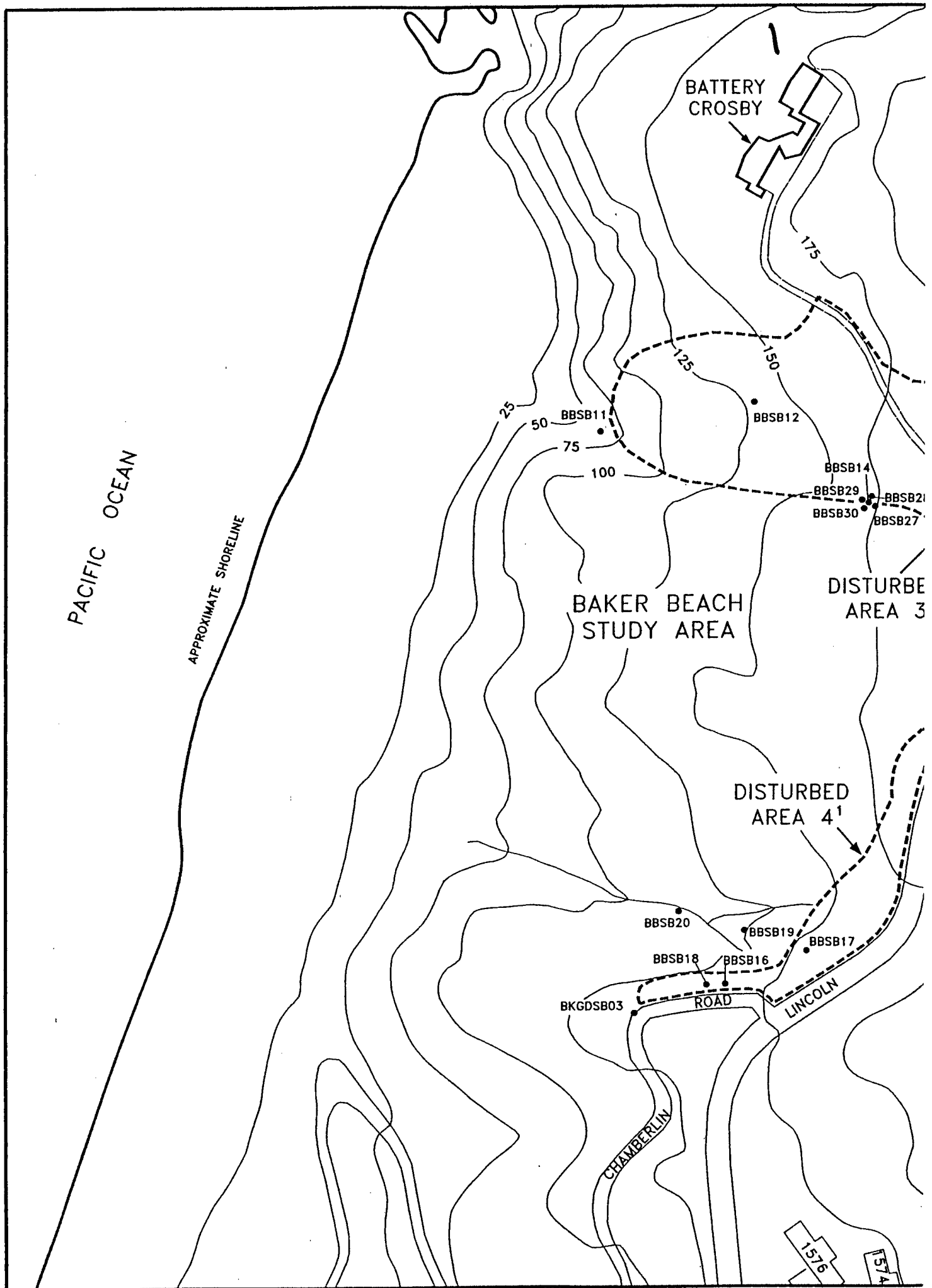
² EXTENT OF DISTURBED AREA
BASED ON AERIAL PHOTOS
SPANNING 1946 TO 1986
(PACIFIC AERIAL SURVEYS, 1955
AND RINDGEN AND SITTON, 1990).



2







2

EXPLANATION

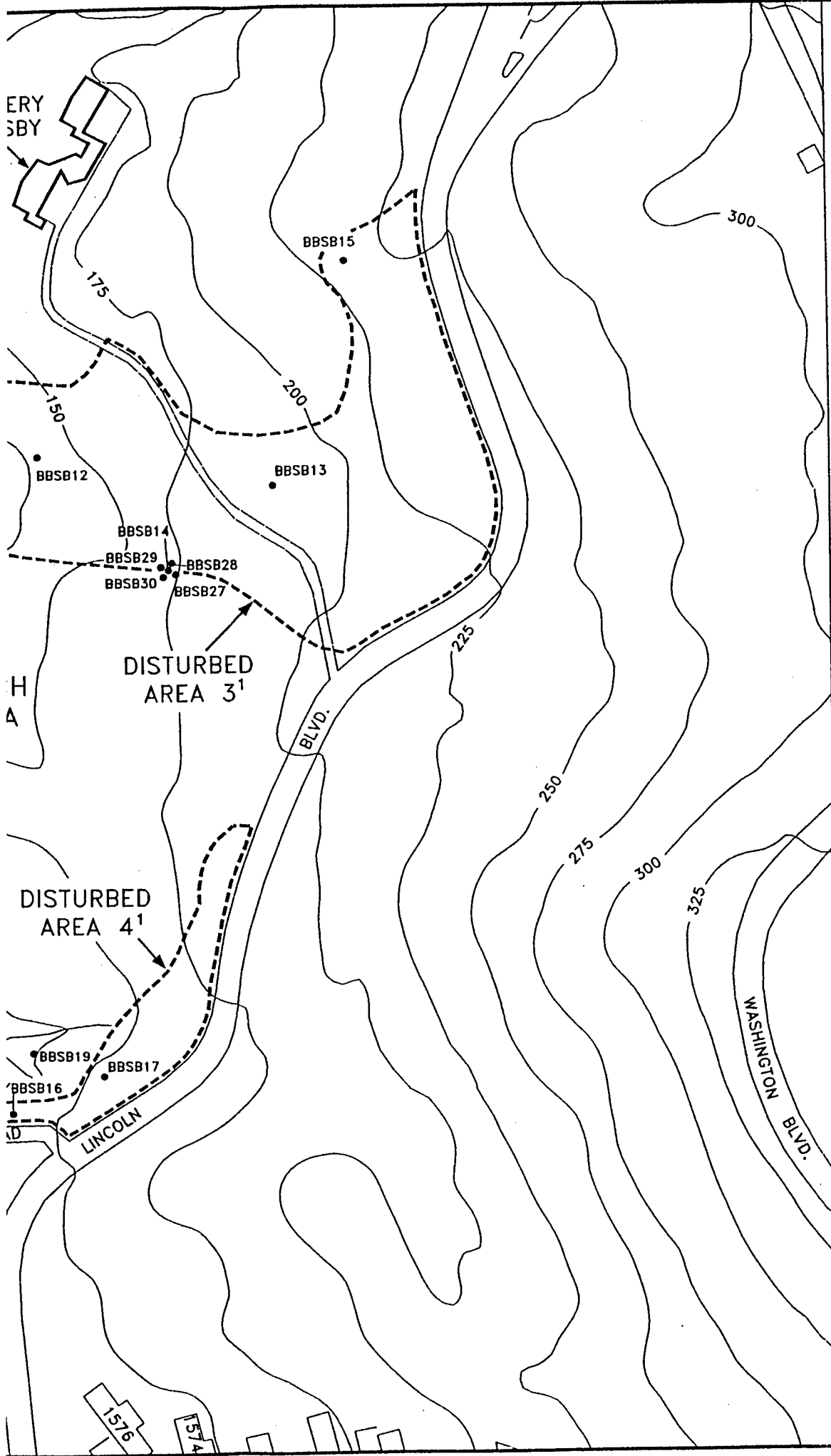
• SOIL BORING

— 325 — TOPOGRAPHIC

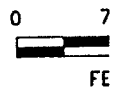
CONTOUR INTERVAL

ELEVATION
FEET—PRESIDIO LEVEL

NOTE: ¹ EXTENT OF DISTURBED AREA
BASED ON AERIAL PHOTOGRAPHS
SPANNING 1946
(PACIFIC AERIAL
AND RINDGEN AERIAL)



— 1 —



BAKER
DISTURBED
SAMPLE 1

PSF25017/DV2
Date: January 1997

EXPLANATION

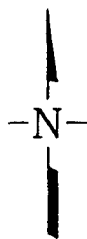
• SOIL BORING

—325— TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER

NOTE: ¹ EXTENT OF DISTURBED AREA
BASED ON AERIAL PHOTOS
SPANNING 1946 TO 1986
(PACIFIC AERIAL SURVEYS, 1955
AND RINDGEN AND SITTON, 1990).



0 75 150
FEET



DAMES & MOORE

**BAKER BEACH -
DISTURBED AREAS 3 & 4
SAMPLE LOCATIONS**

PSF25017/DV2

Date: January 1997

Figure 12.0-2

EXPLANATION

• SOIL BORING

▼ SEDIMENT SAMPLE



APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

BBSB01			
DEPTH	0.0'	2.0'	FILL
LITHOLOGY	FILL	FILL	
Aluminum	10000.000 a	13000.000 a	

PACIFIC OCEAN

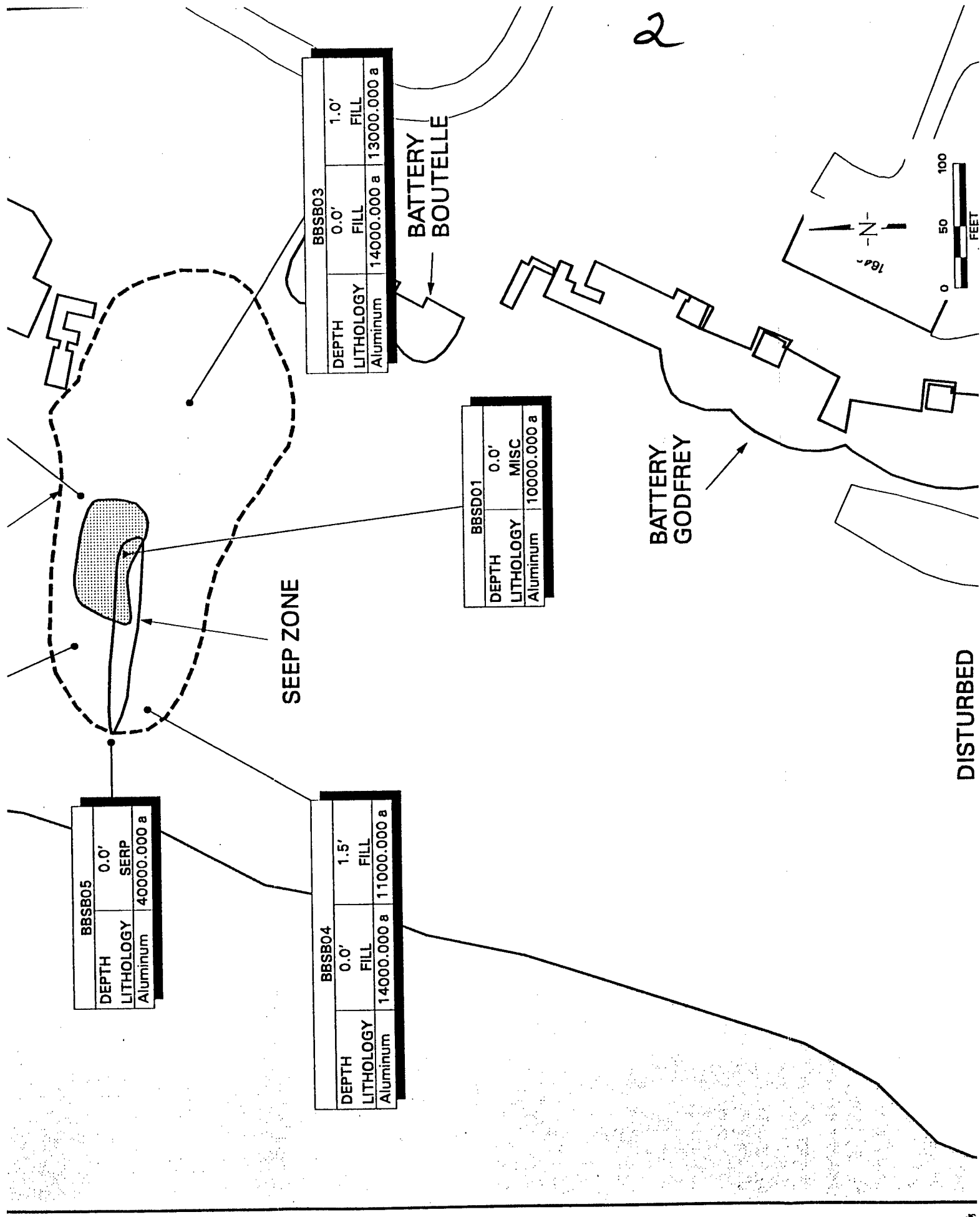
BATTERY
MARCUS MILLER

BBSB02			
DEPTH	0.0'	2.5'	
LITHOLOGY	BE/DU	SERP	
Aluminum	31000.000 a	22000.000 a	

DISTURBED
AREA 1

BBSB05			
DEPTH	0.0'		
LITHOLOGY	SERP		
Aluminum	40000.000 a		

2



BBSB03			
DEPTH	0.0'	1.0'	
LITHOLOGY	FILL	FILL	
Aluminum	14000.000 a	13000.000 a	

BATTERY
BOUTELLE

BBSB01			
DEPTH	0.0'		
LITHOLOGY	MISC		
Aluminum	10000.000 a		

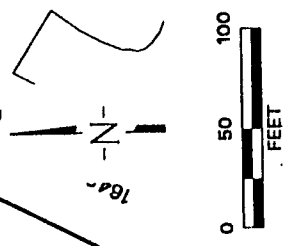
BATTERY
GODFREY

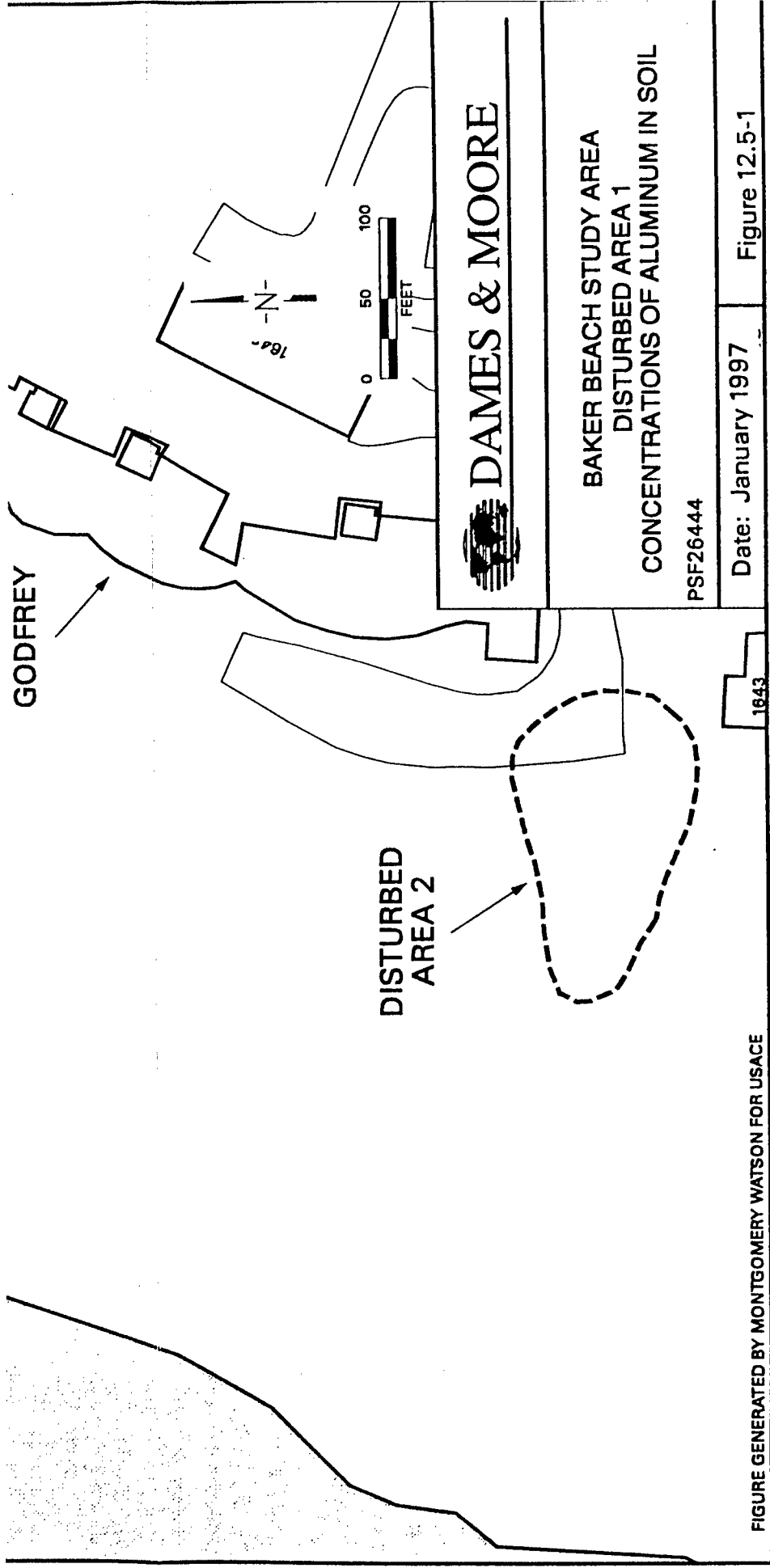
SEEP ZONE

BBSB05			
DEPTH	0.0'		
LITHOLOGY	SERP		
Aluminum	40000.000 a		

BBSB04			
DEPTH	0.0'	1.5'	
LITHOLOGY	FILL	FILL	
Aluminum	14000.000 a	11000.000 a	

DISTURBED





25 Nov 96 13:20:11 Monday, base_11x17_v3 and profile base_D0A1_S_1.gra, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

1843

Date: January 1997

Figure 12.5-1

3

EXPLANATION

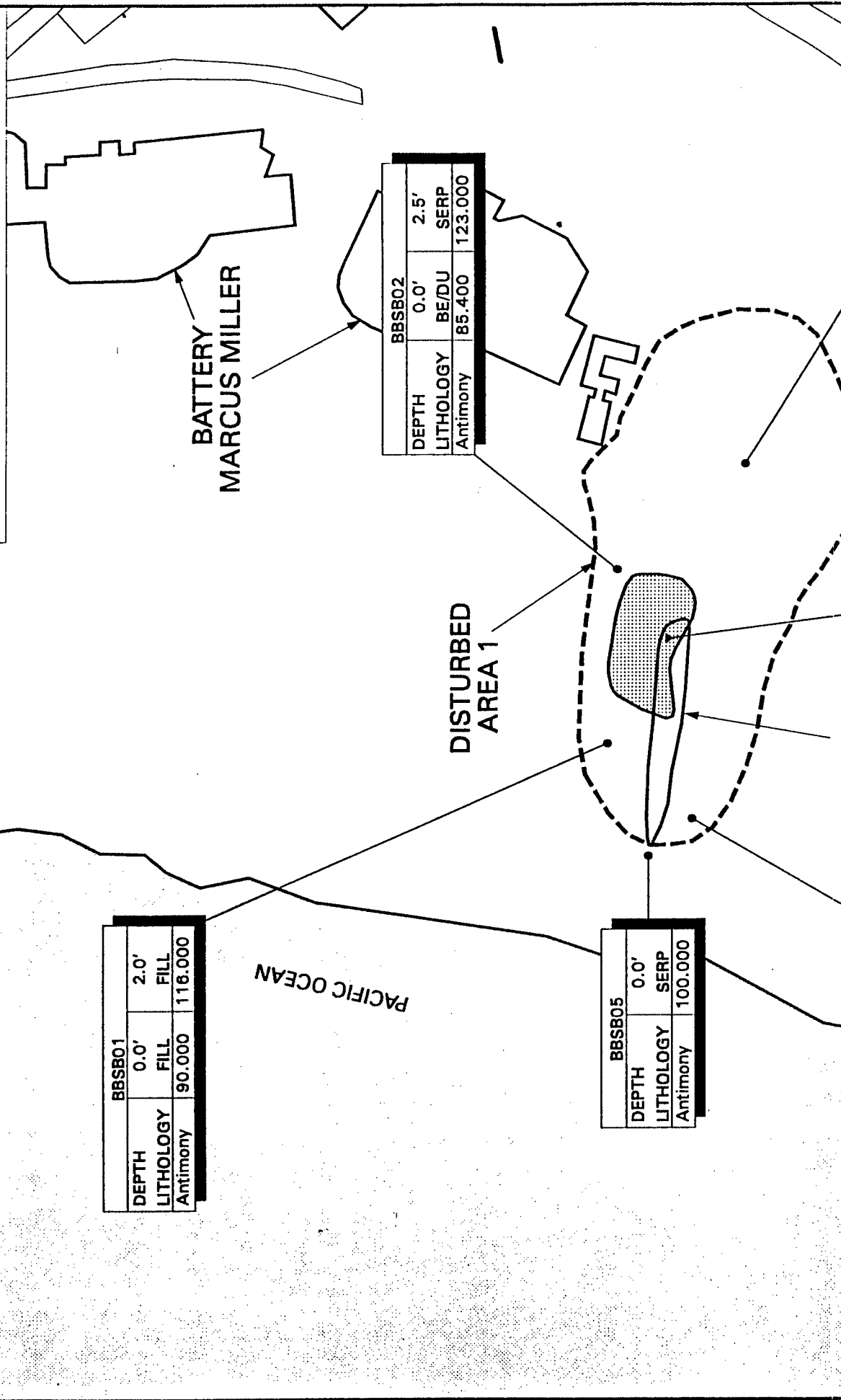
• SOIL BORING

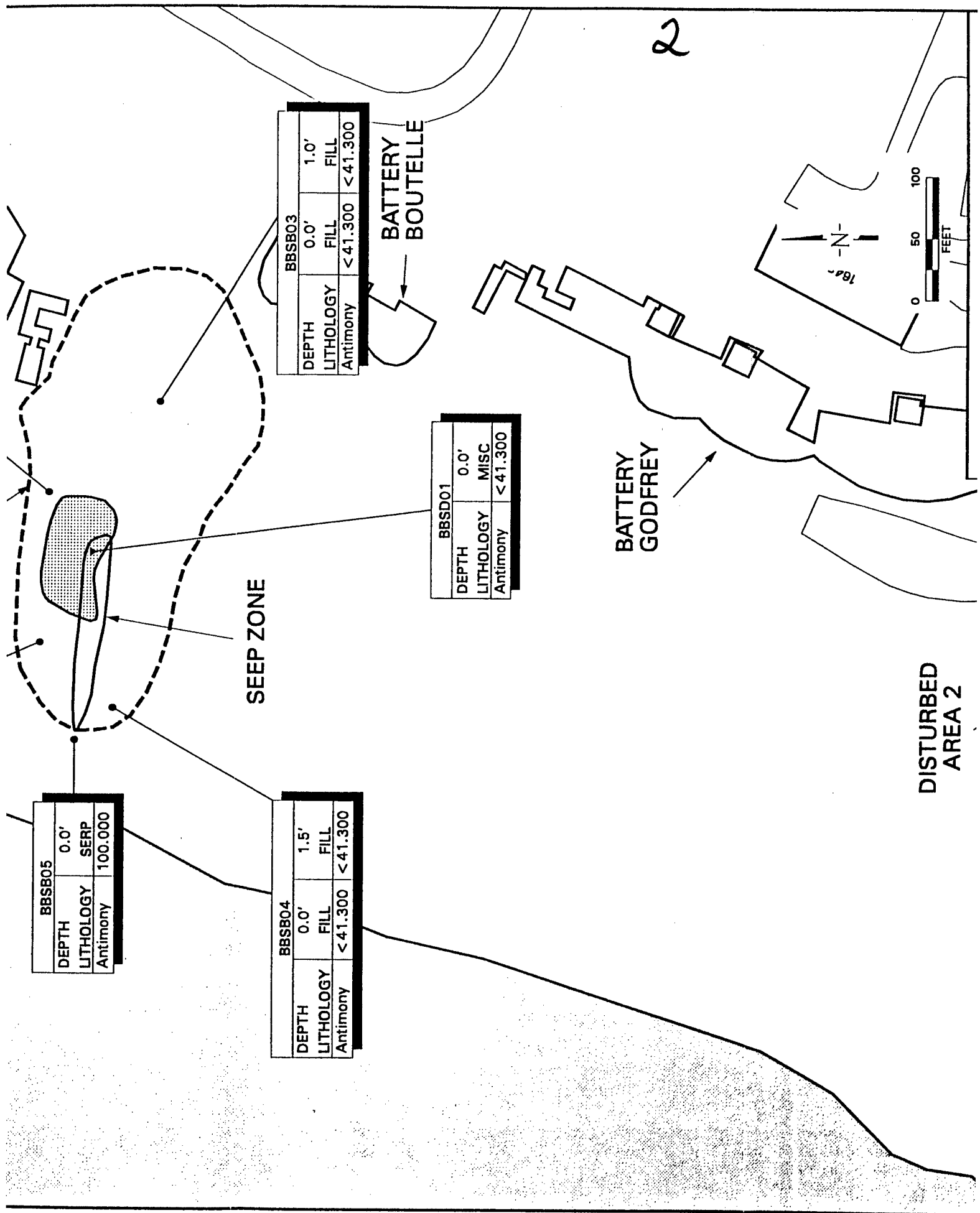
▼ SEDIMENT SAMPLE

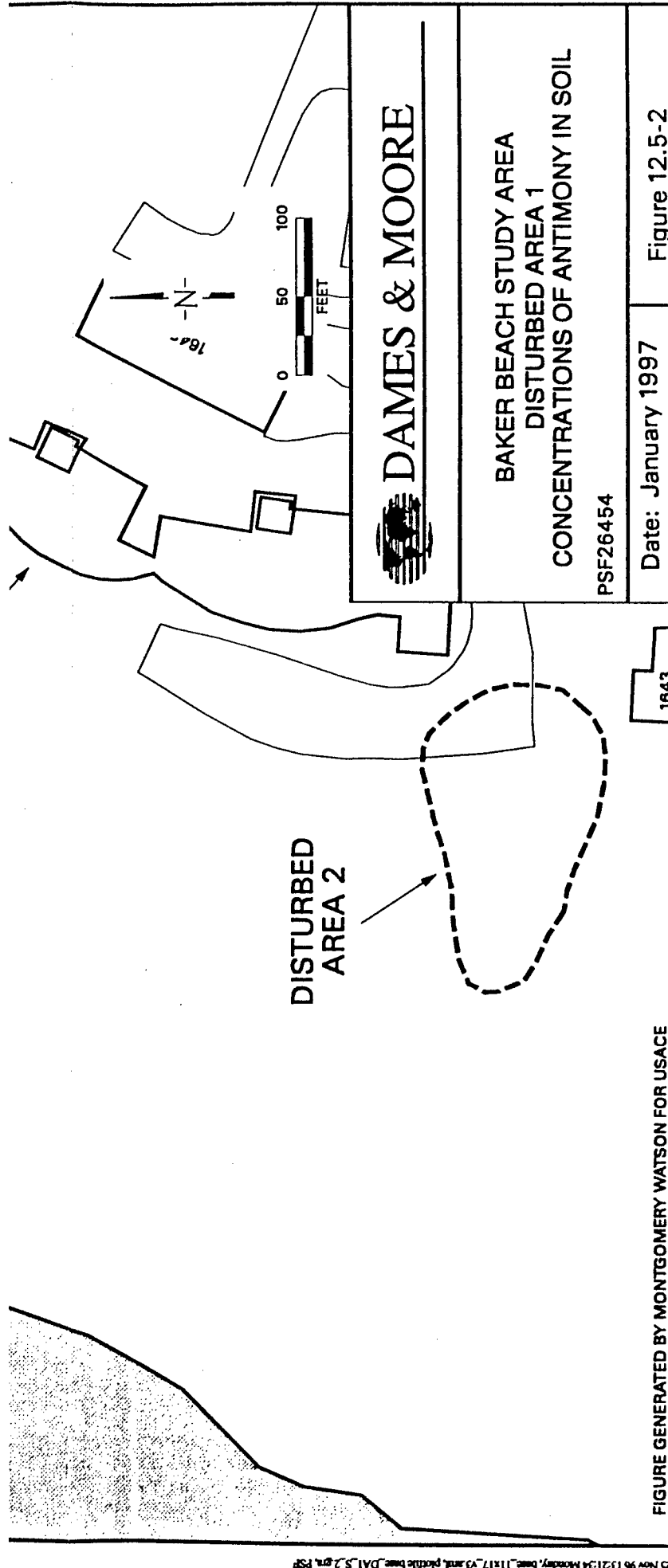


APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.







EXPLANATION

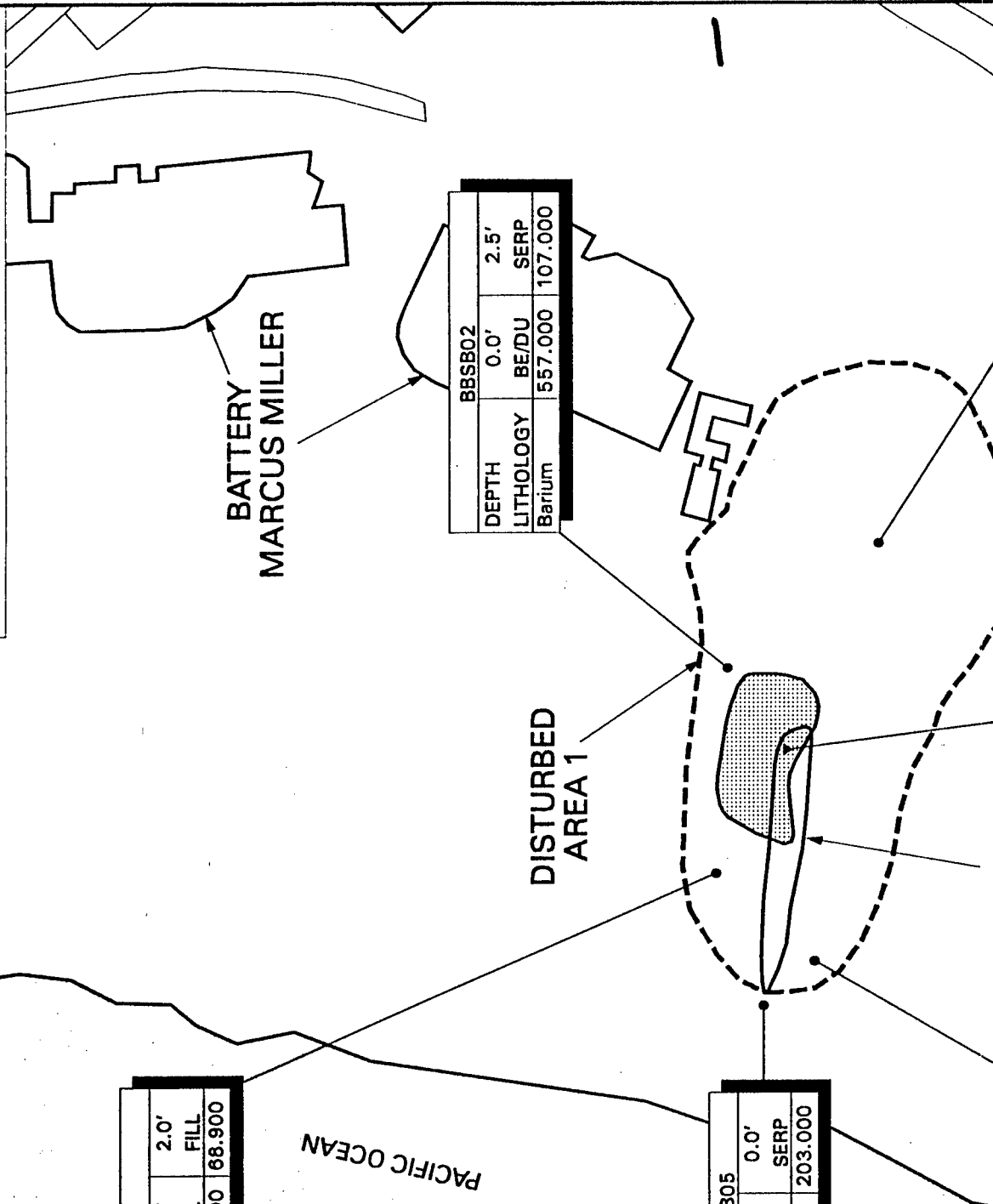
• SOIL BORING

▼ SEDIMENT SAMPLE



APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

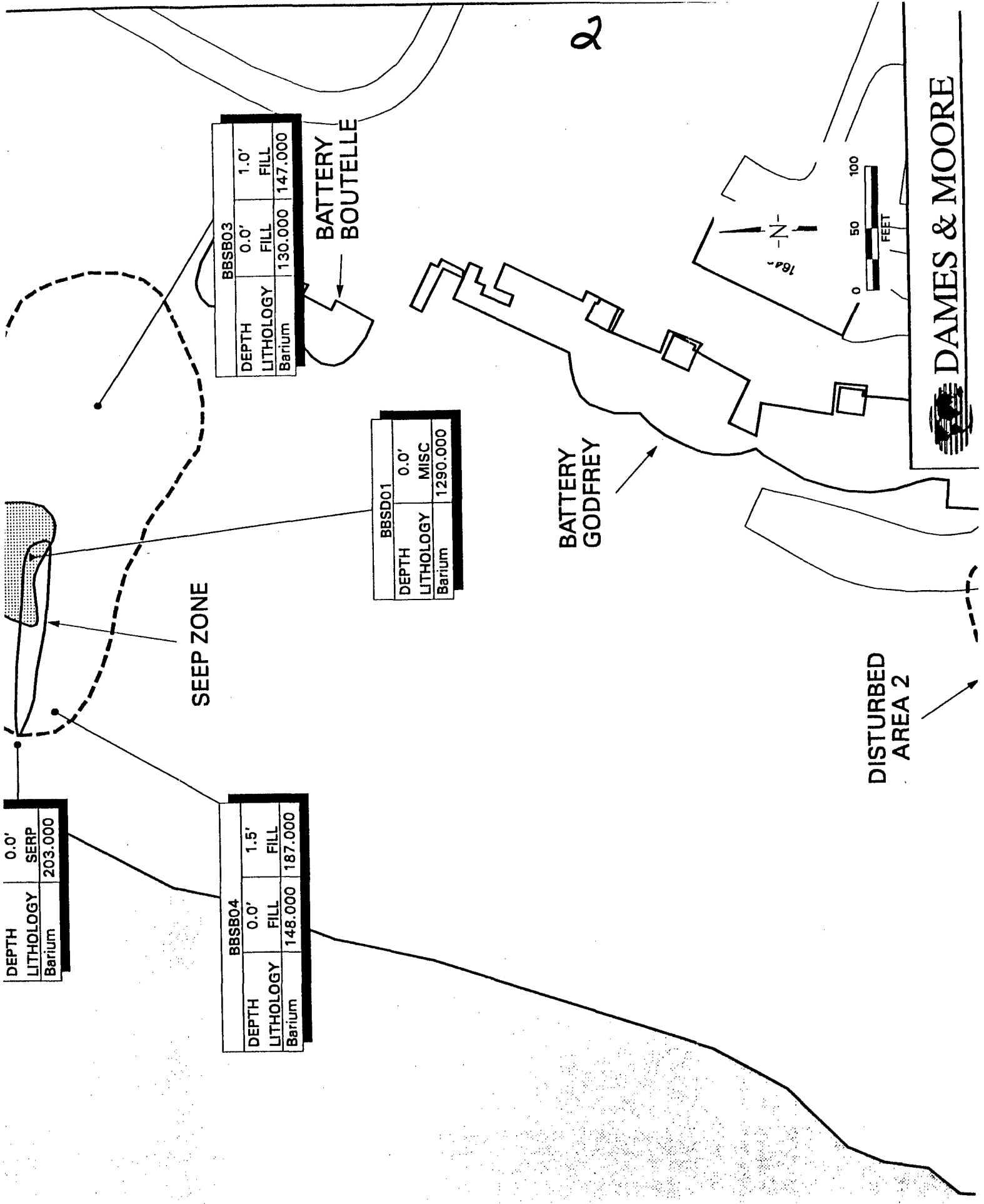


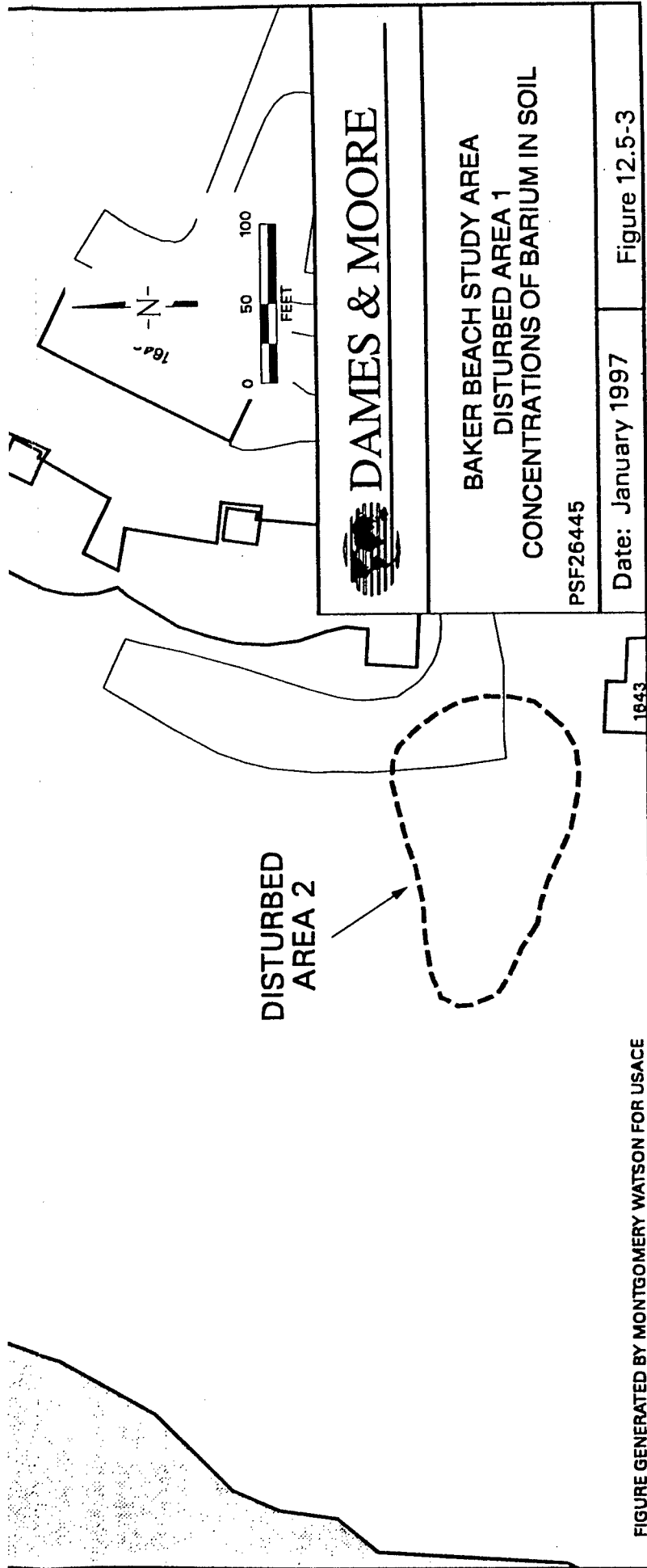
DEPTH	0.0'
LITHOLOGY	SERP
Barium	203.000

BBSB04		
DEPTH	0.0'	1.5'
LITHOLOGY	FILL	FILL
Barium	148.000	187.000

BBSD01		
DEPTH	0.0'	
LITHOLOGY	MISC	
Barium	1290.000	

BBSB03		
DEPTH	0.0'	1.0'
LITHOLOGY	FILL	FILL
Barium	130.000	147.000





EXPLANATION

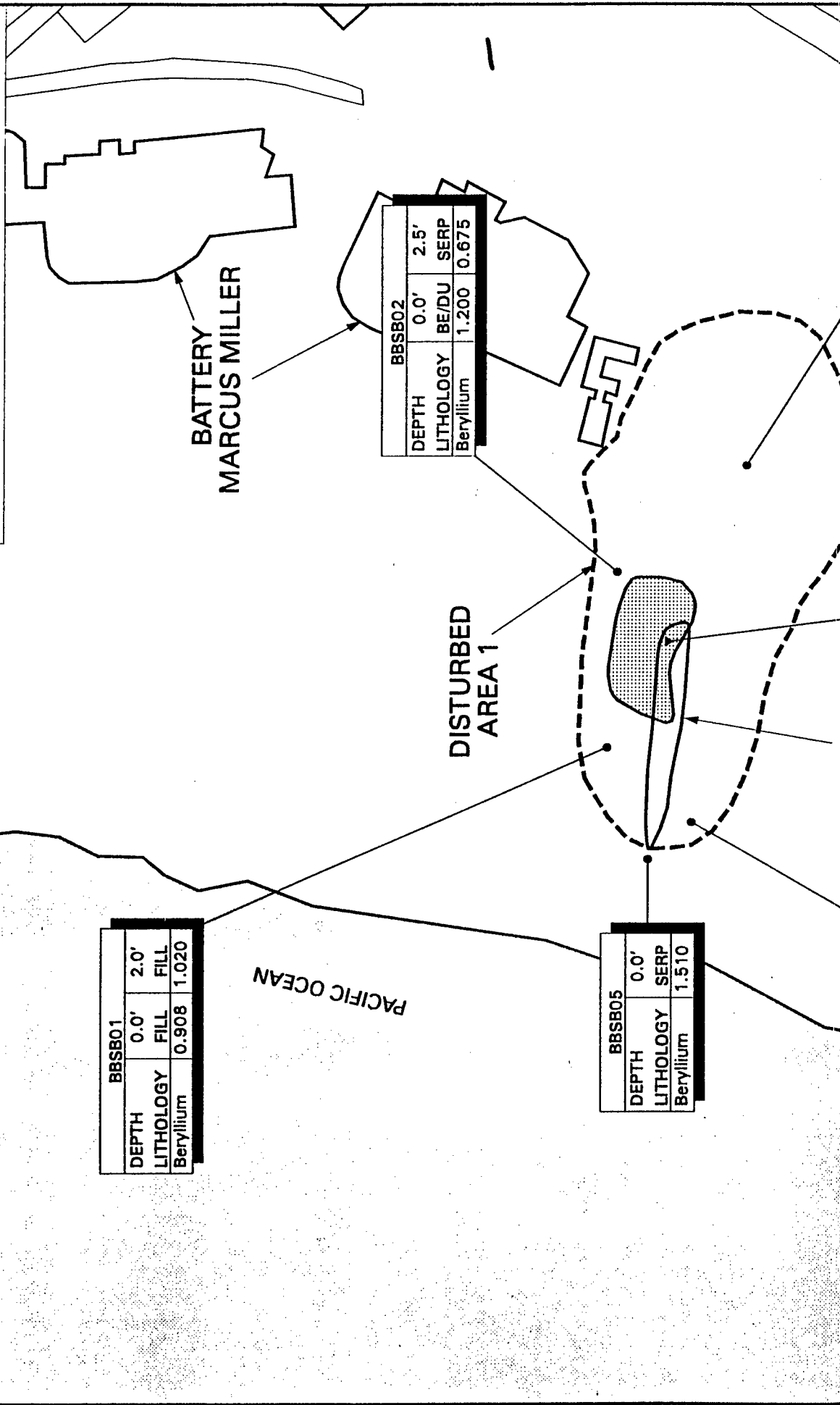
SOIL BORING

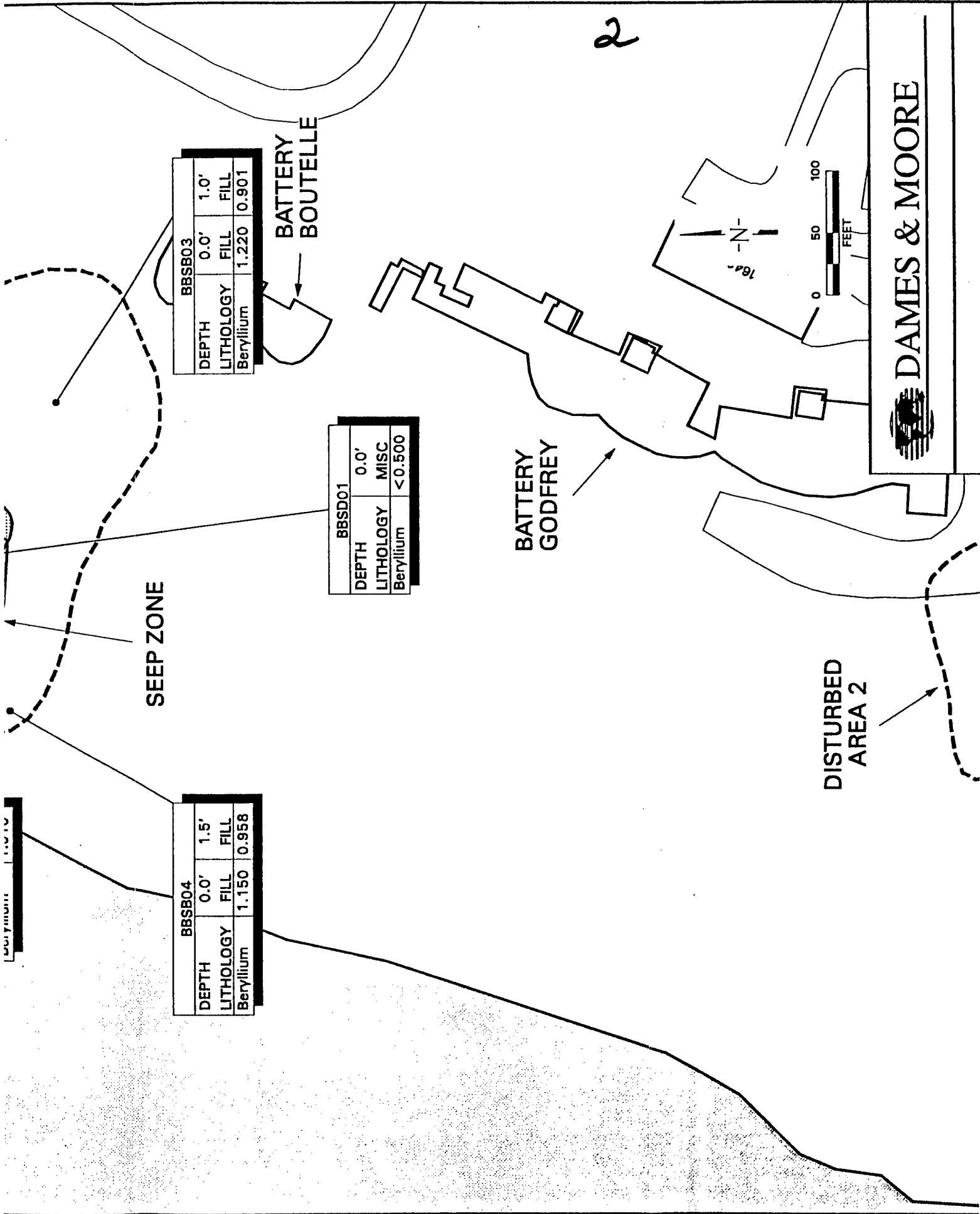
SEDIMENT SAMPLE

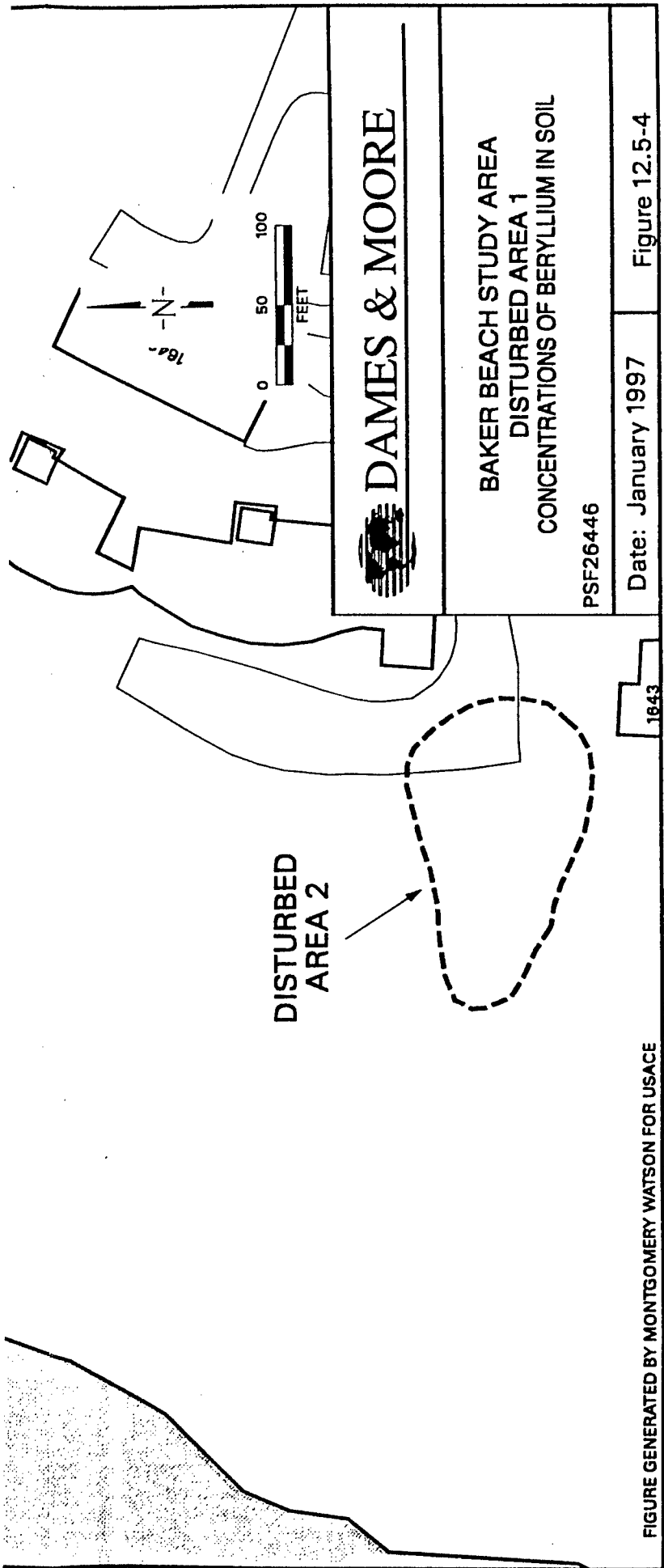
APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



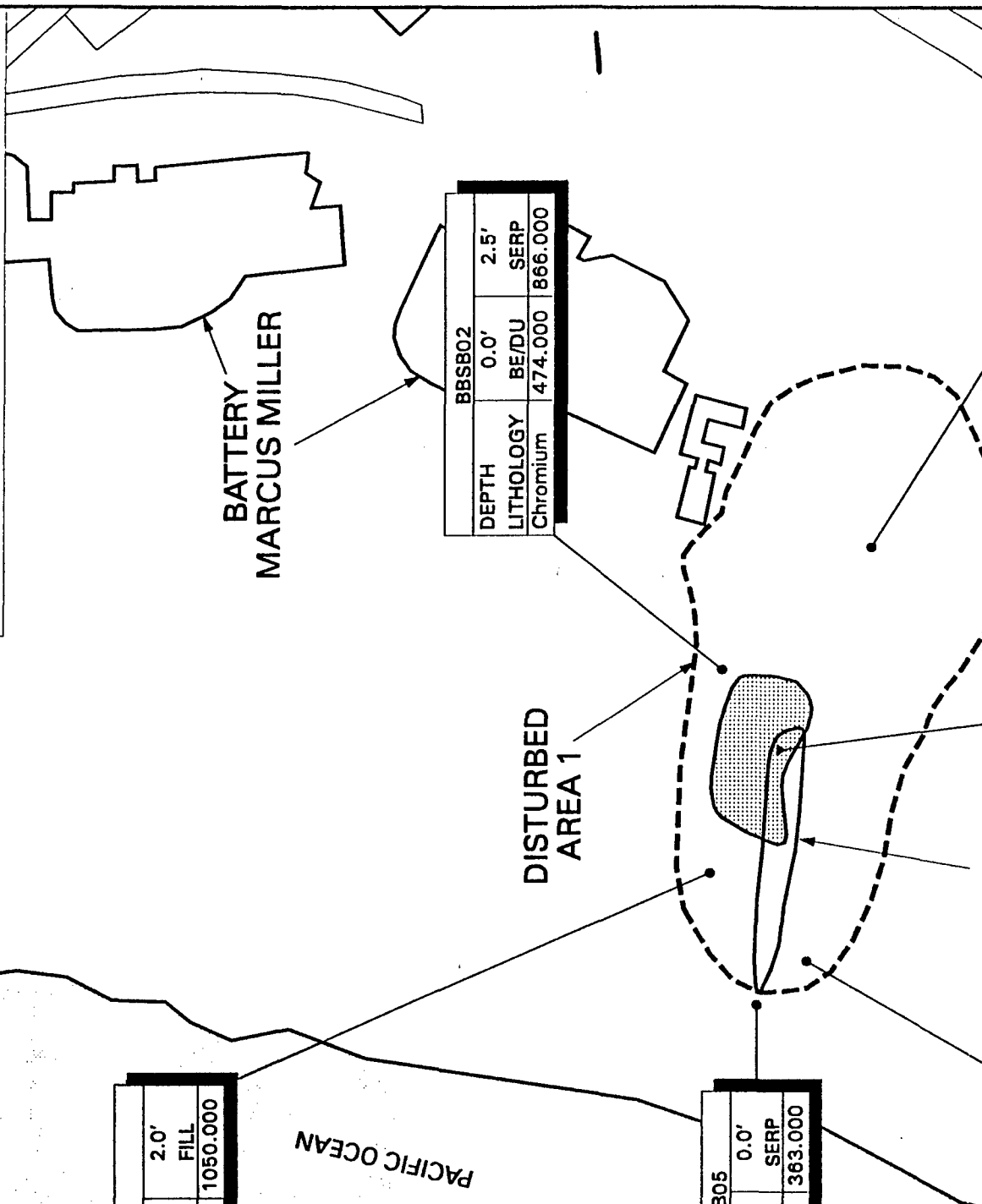




EXPLANATION

- SOIL BORING
- ▼ SEDIMENT SAMPLE
- APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.



Chromium 363.000

BBSB04			
DEPTH	0.0'	1.5'	
LITHOLOGY	FILL	FILL	
Chromium	73.200	58.900	

SEEP ZONE

BBSB03			
DEPTH	0.0'	1.0'	
LITHOLOGY	FILL	FILL	
Chromium	84.200	56.600	

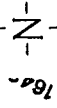
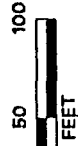
BATTERY
BOUTELLE

BBSB01			
DEPTH	0.0'		
LITHOLOGY	MISC		
Chromium	121.000		

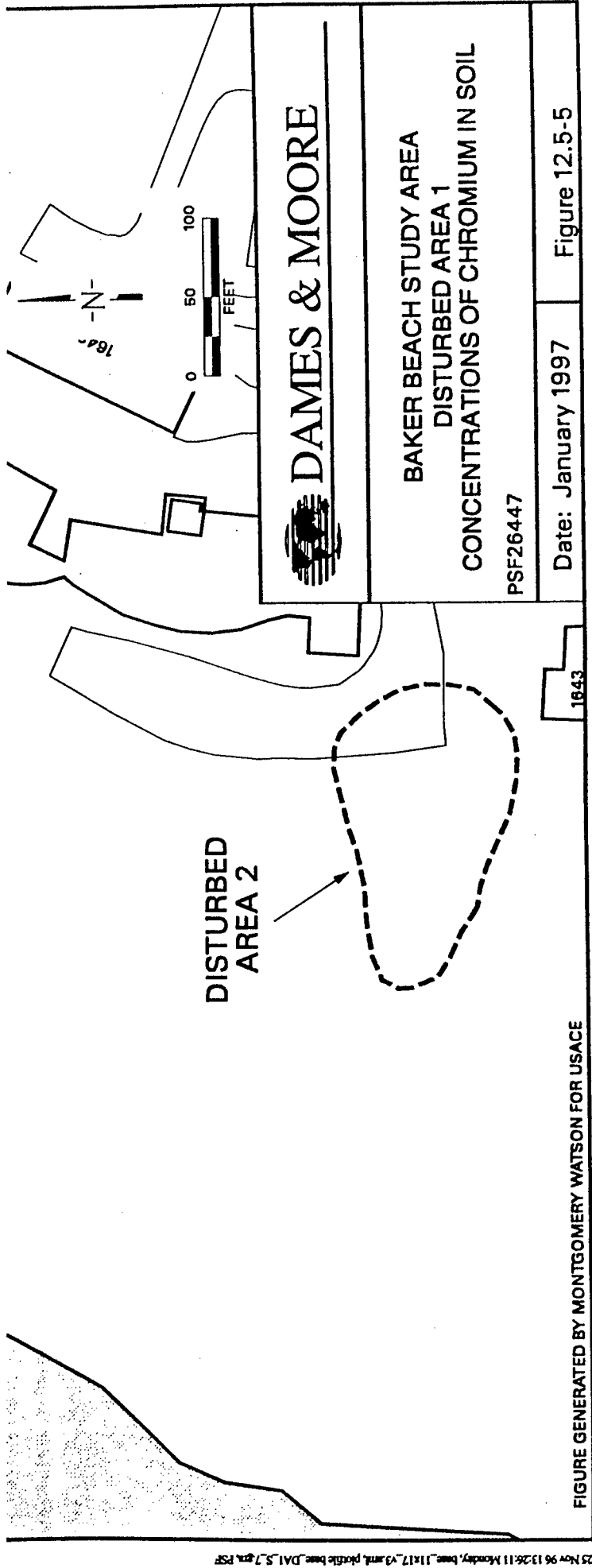
BATTERY
GODFREY

DISTURBED
AREA 2

DAMES & MOORE



2



EXPLANATION

• SOIL BORING

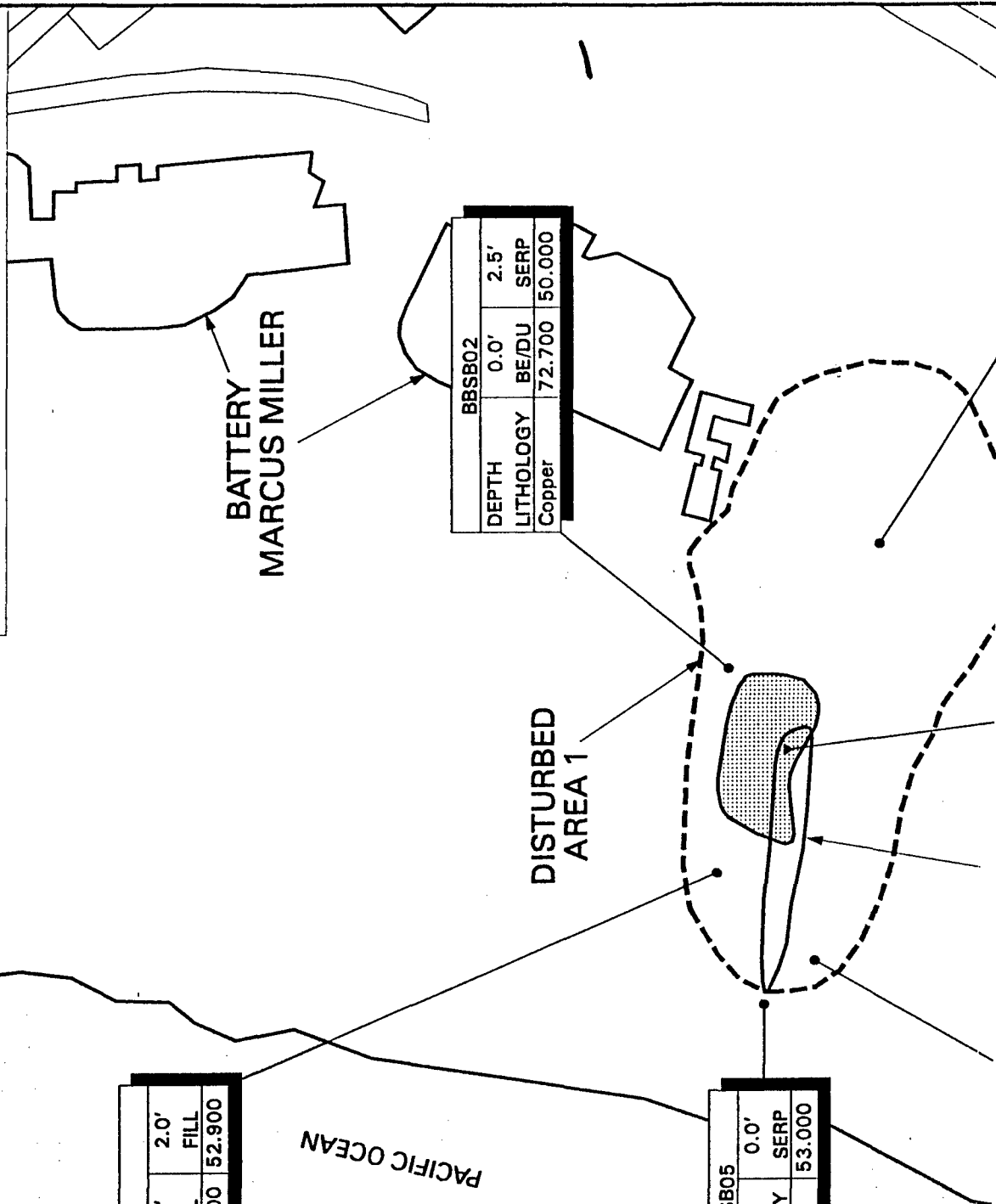
▼ SEDIMENT SAMPLE



APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.





2

BATTERY GODFREY

BATTERY BOUTELLE

SEEP ZONE

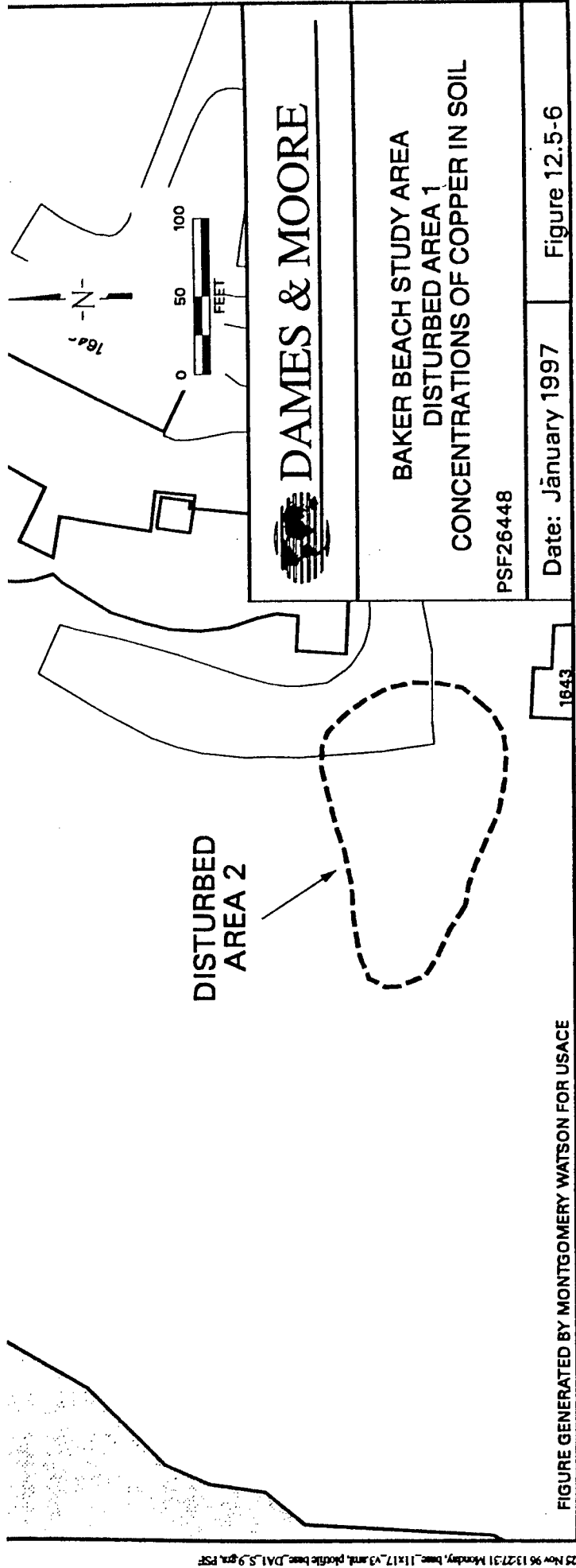
DISTURBED AREA 2

BBSB04			
DEPTH	0.0'	1.5'	
LITHOLOGY	FILL	FILL	
Copper	71.400	57.000	

BBSB01			
DEPTH	0.0'		
LITHOLOGY	MISC		
Copper	387.000		

BBSB03			
DEPTH	0.0'	1.0'	
LITHOLOGY	FILL	FILL	
Copper	28.000	63.300	

Copper 123.000

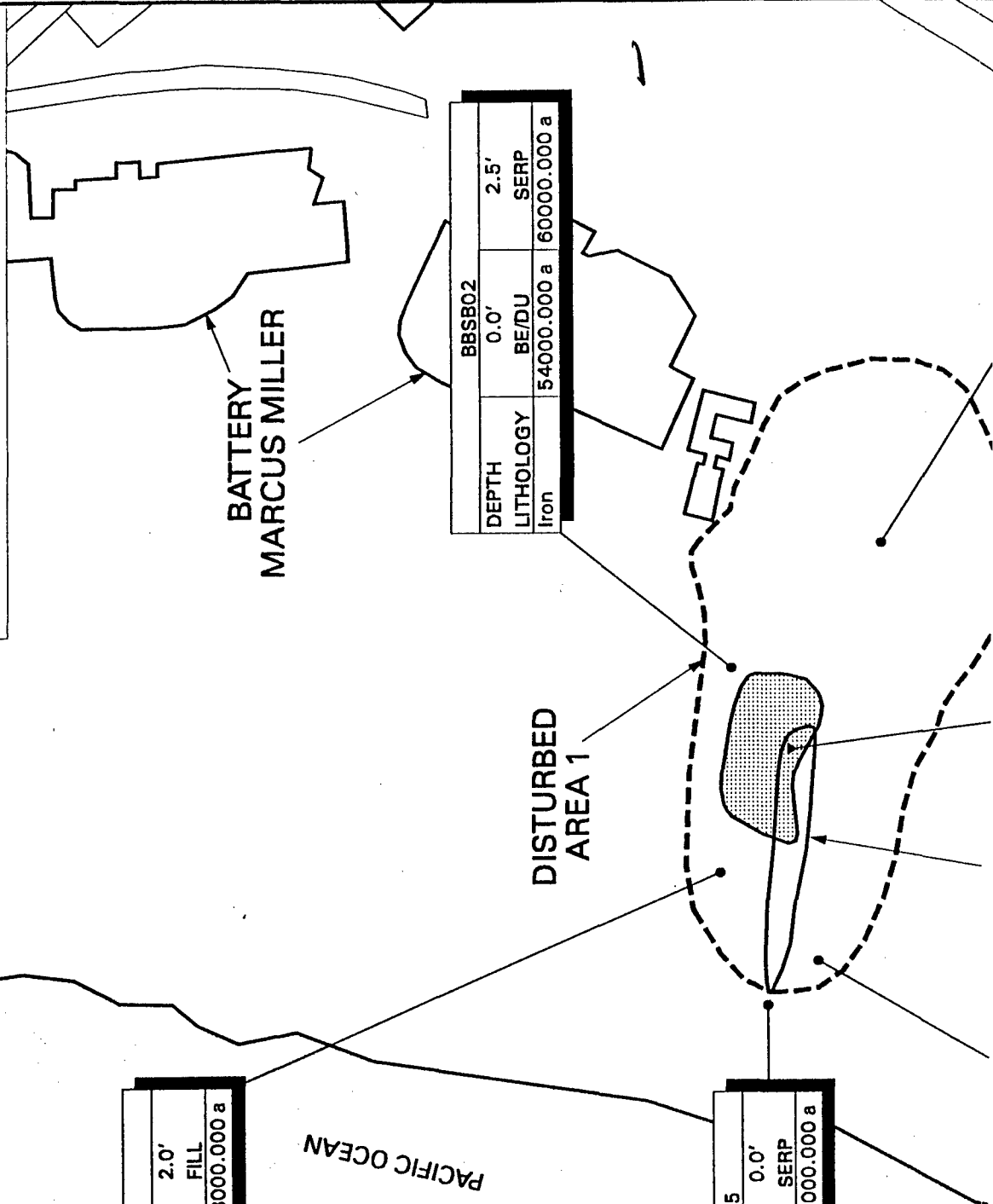


EXPLANATION

- SOIL BORING
- ▼ SEDIMENT SAMPLE

APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

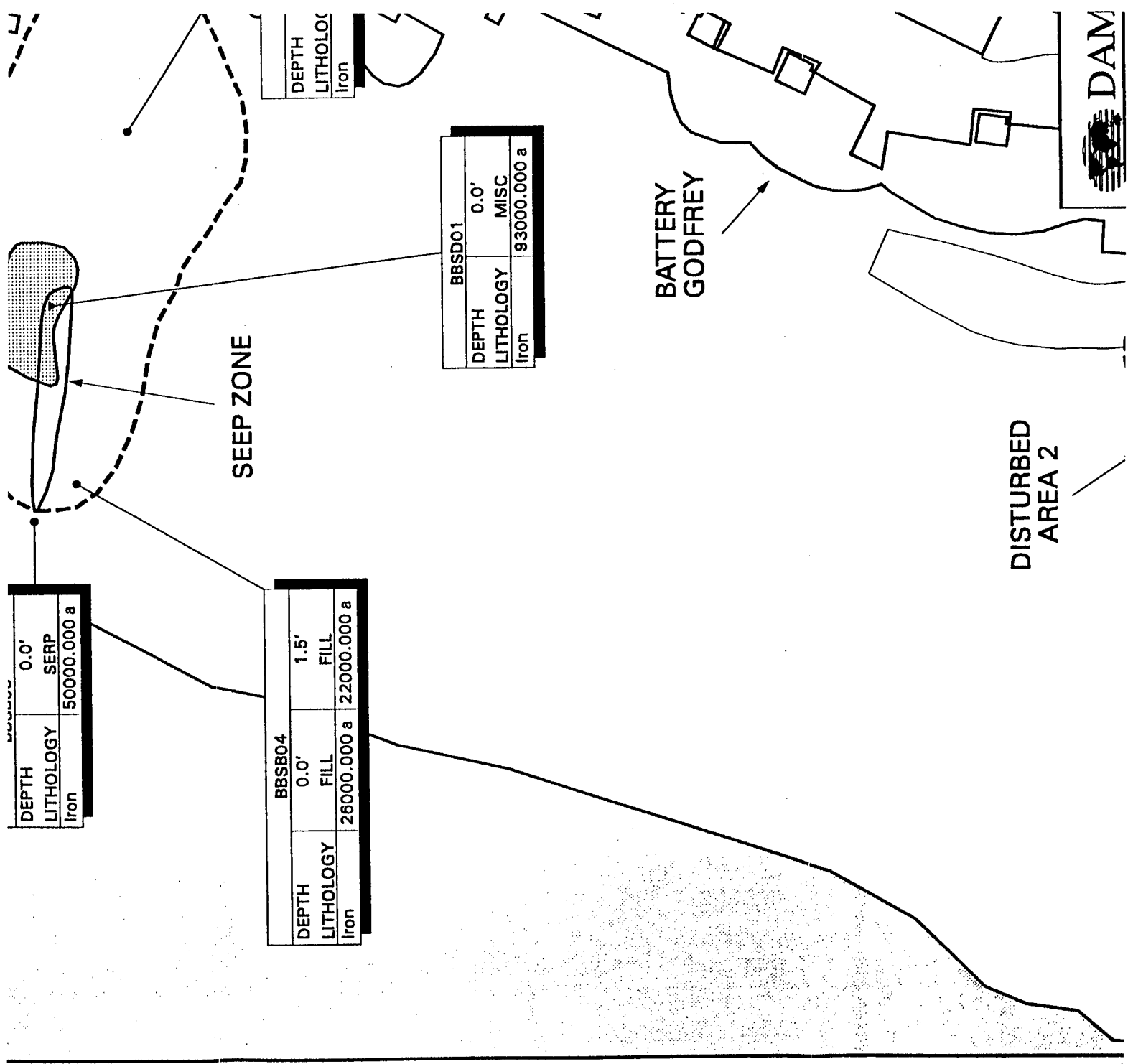
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

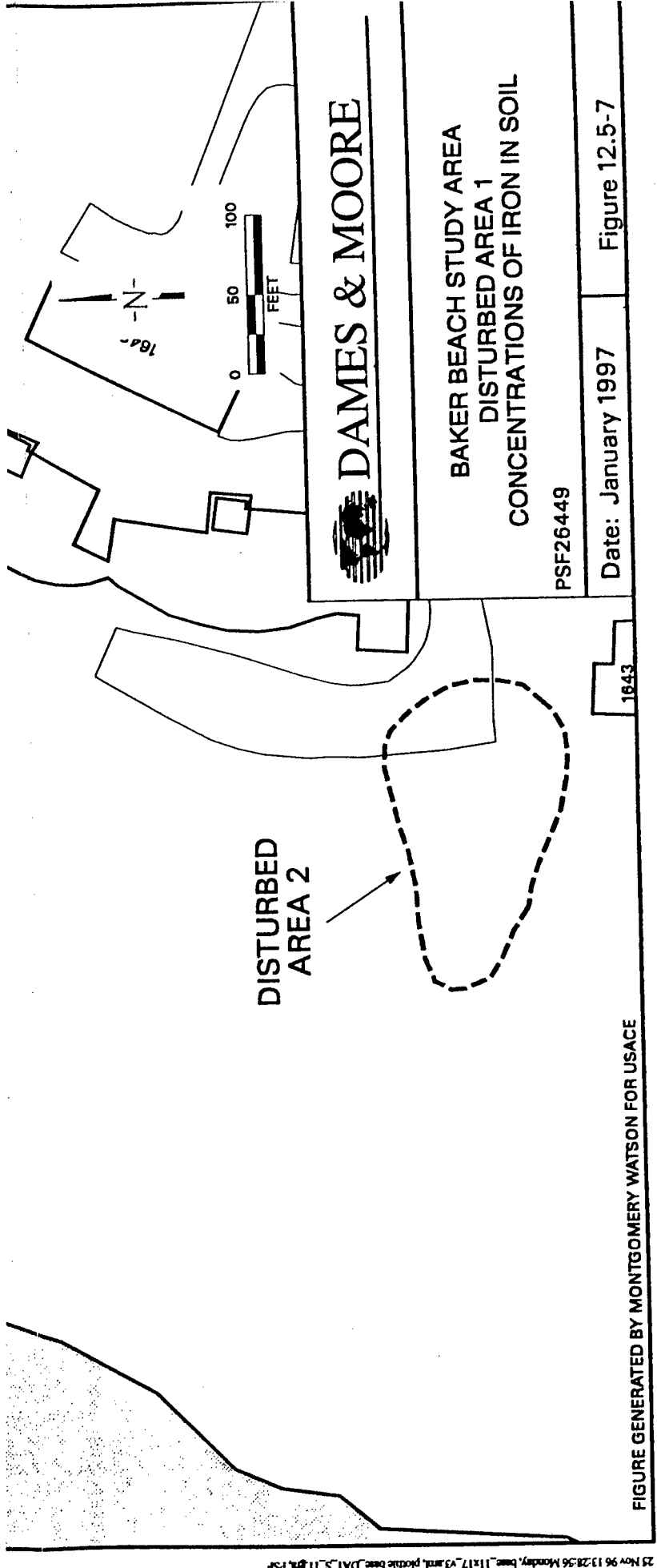


BBSB01			
DEPTH	0.0'	2.0'	FILL
LITHOLOGY	FILL		
Iron	52000.000 a	53000.000 a	

BBSB02			
DEPTH	0.0'	2.5'	SERP
LITHOLOGY	BE/DU		
Iron	54000.000 a	60000.000 a	

BBSB05			
DEPTH	0.0'		SERP
LITHOLOGY			
Iron	50000.000 a		





EXPLANATION

SOIL BORING

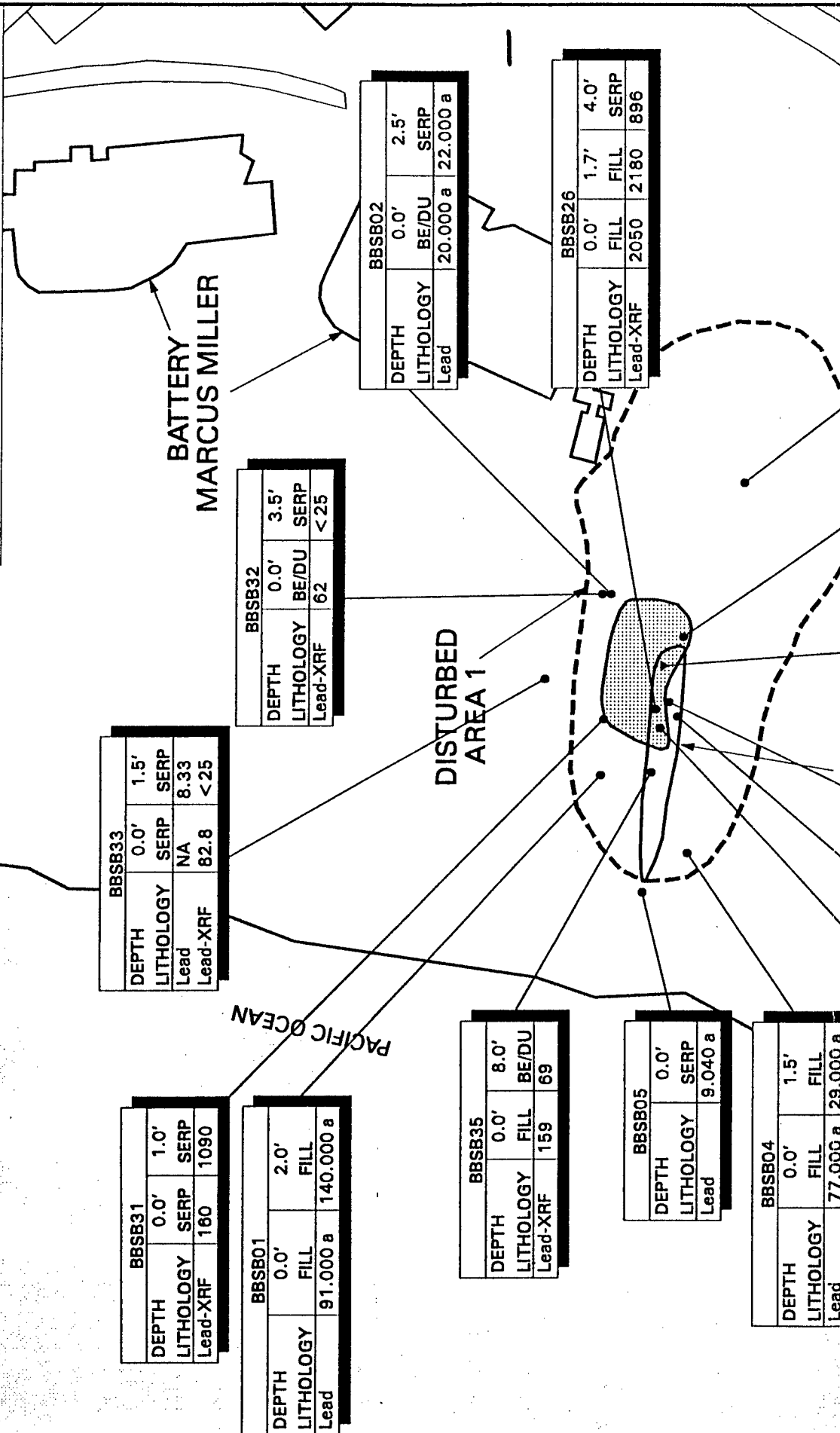
SEDIMENT SAMPLE

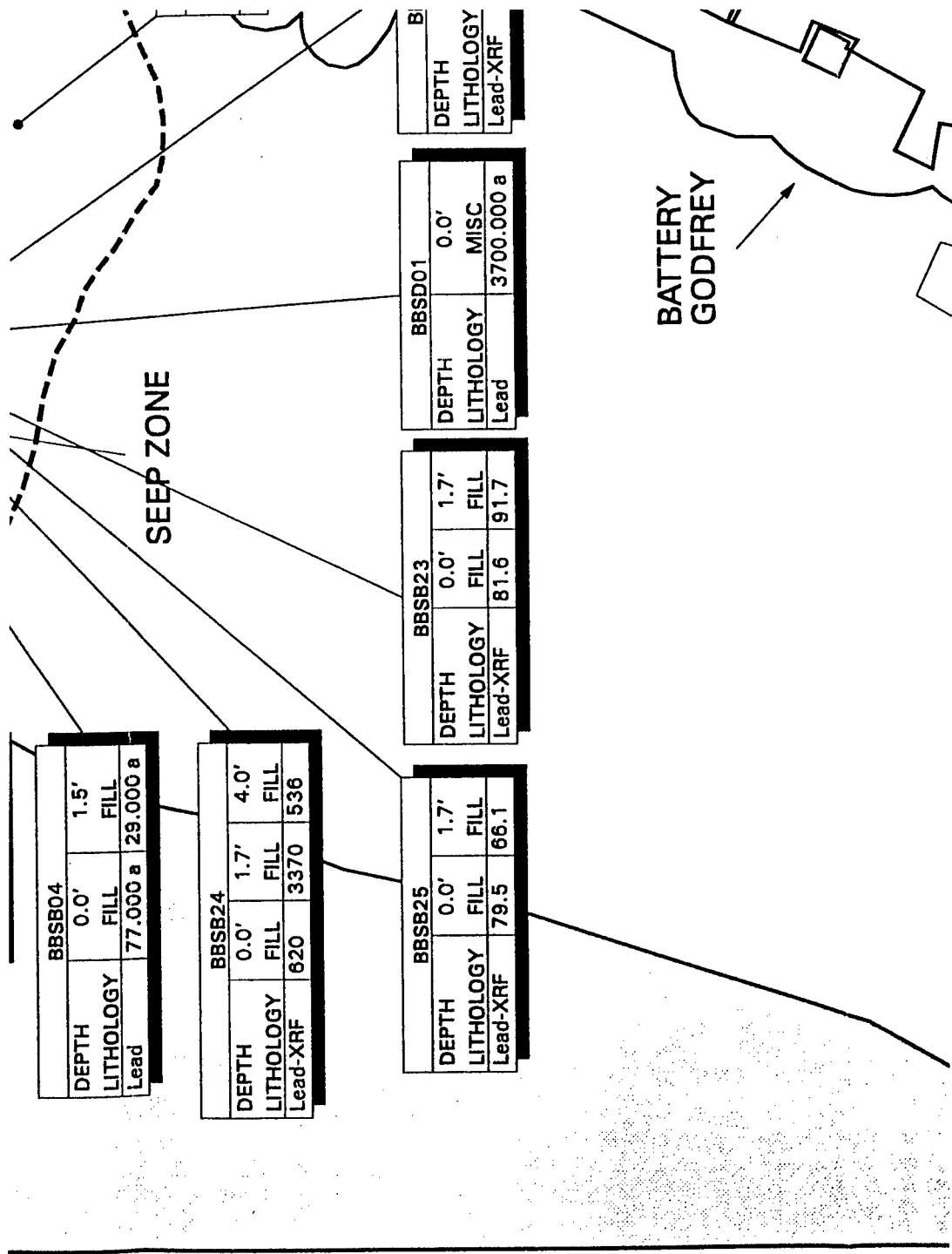
APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

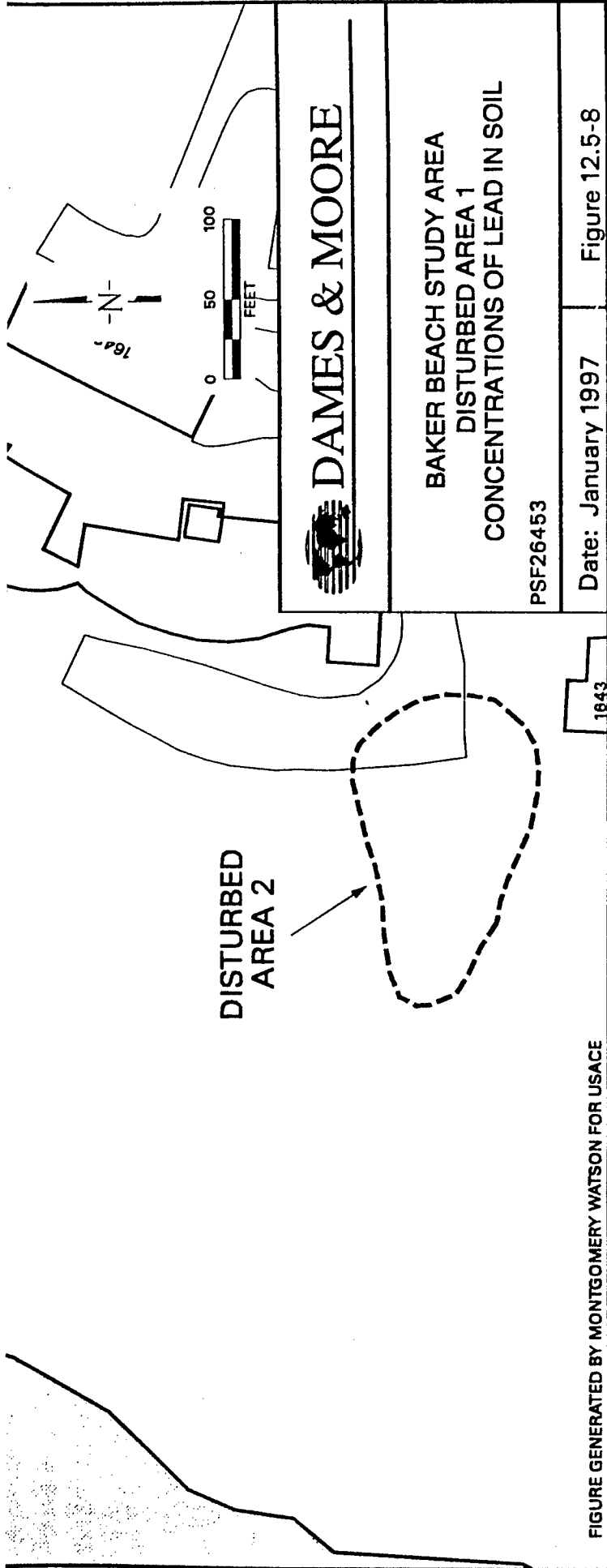
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. NA = NOT ANALYZED







EXPLANATION

• SOIL BORING

▼ SEDIMENT SAMPLE

APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL



NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

BBSB01			
DEPTH	0.0'	2.0'	FILL
LITHOLOGY	FILL		
Manganese	737.000	864.000	

PACIFIC OCEAN

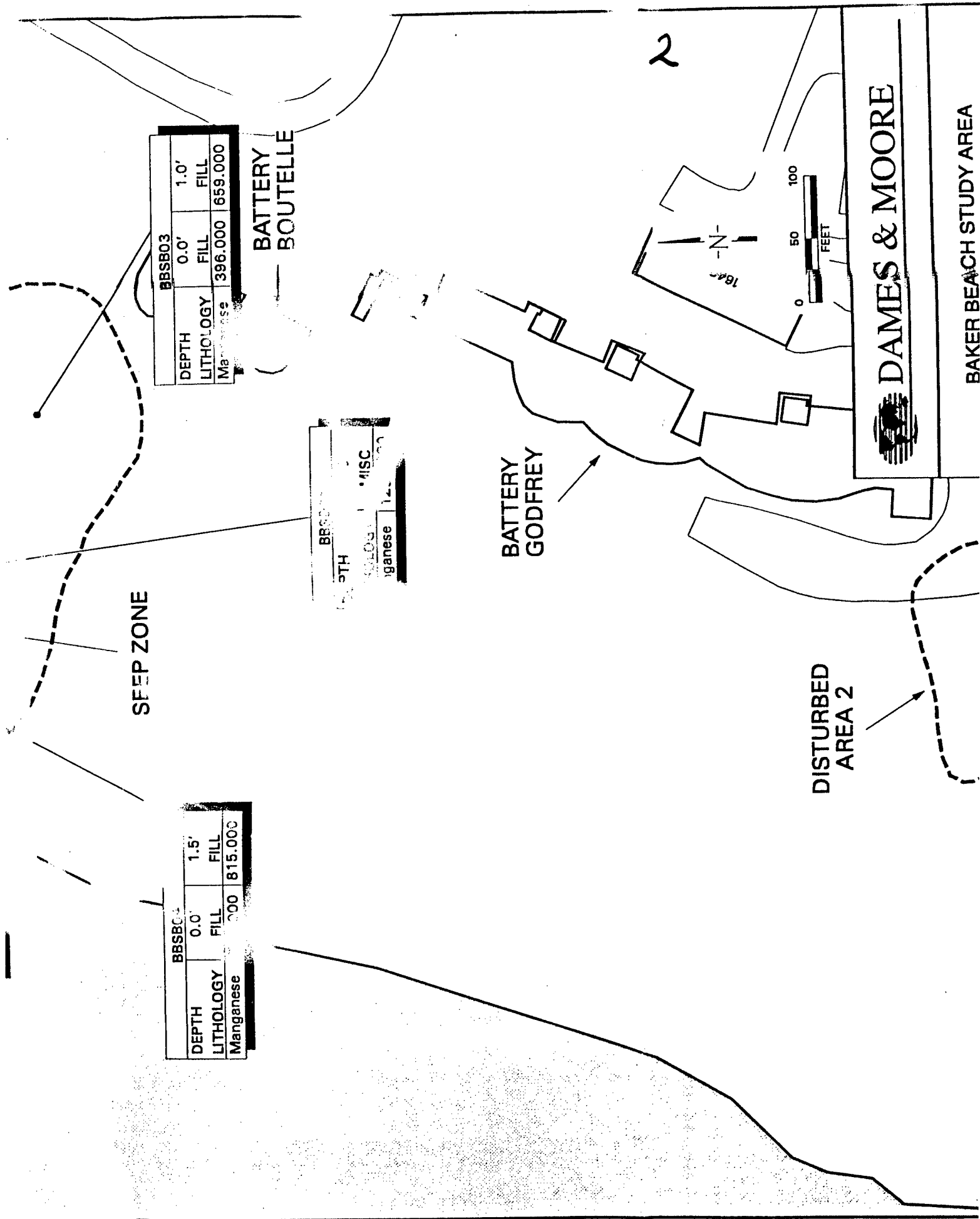
BATTERY
MARCUS MILLER

BBSB02			
DEPTH	0.0'	2.0'	SERP
LITHOLOGY	BE/DU		
Manganese	1180.000	822.000	

DISTURBED
AREA 1

BBSB05			
DEPTH	0.0'		SERP
LITHOLOGY			
Manganese			

APPROXIMATE



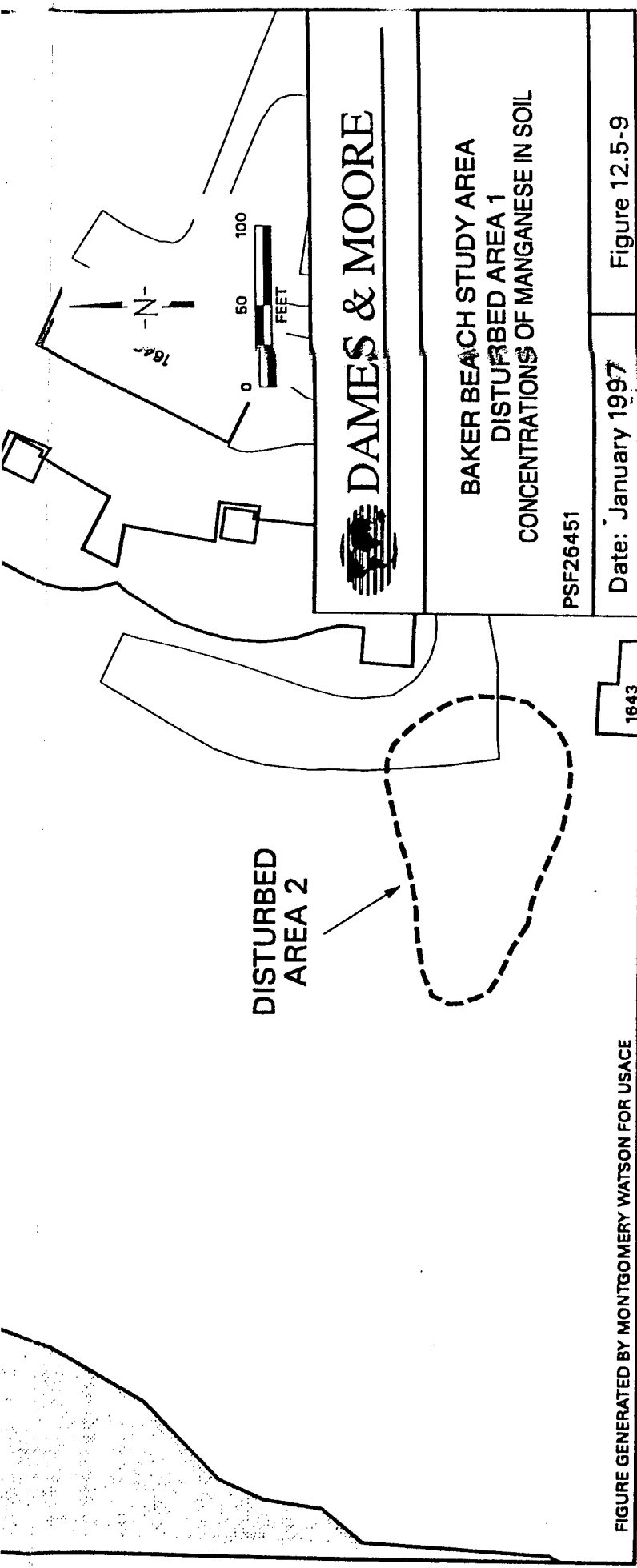


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

3

EXPLANATION

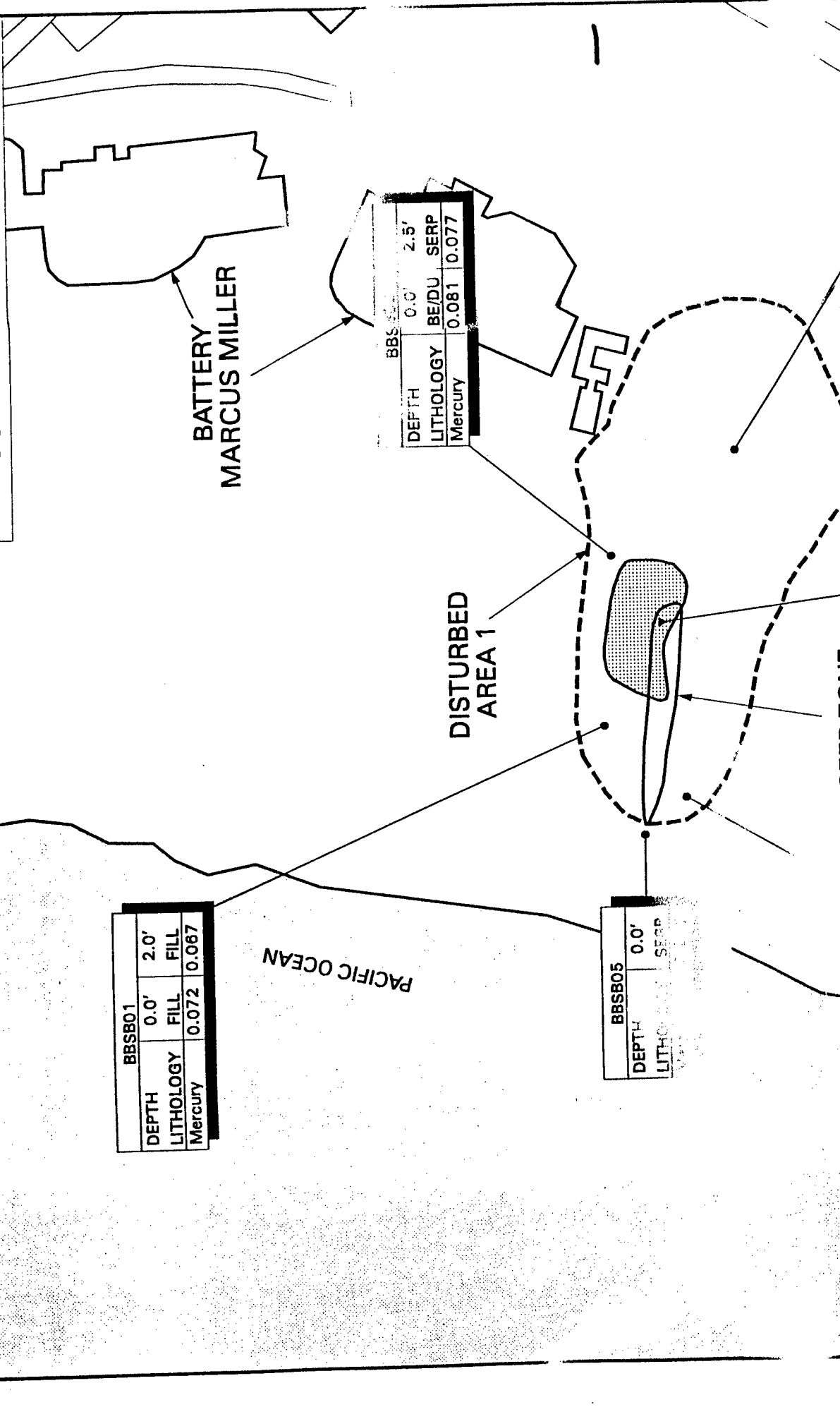
SOIL BORING

SEDIMENT SAMPLE

APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



BBSB01			
DEPTH	0.0'	2.0'	
LITHOLOGY	FILL	FILL	
Mercury	0.072	0.067	

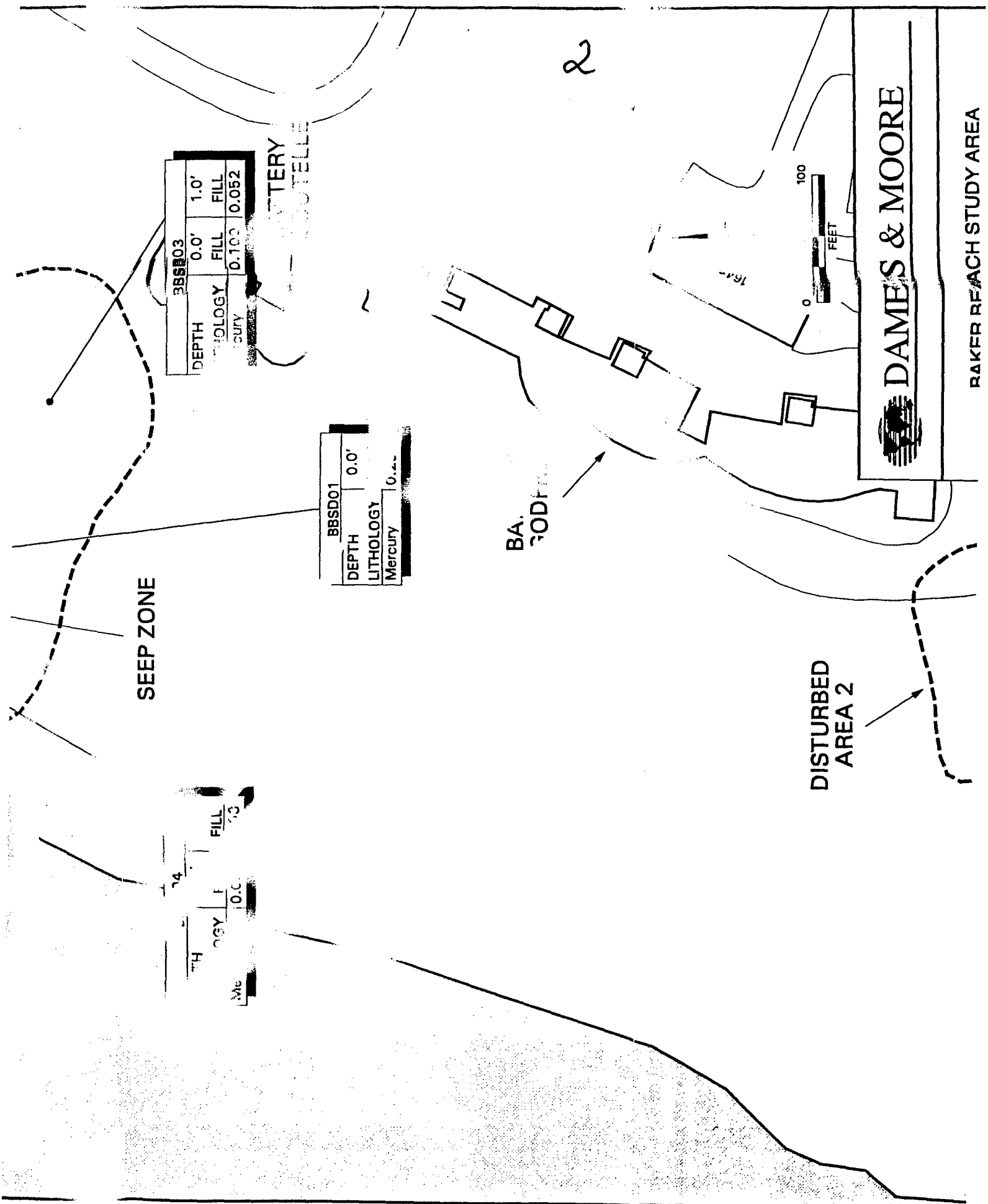
PACIFIC OCEAN

BBSB05		
DEPTH	0.0'	
LITHOLOGY		

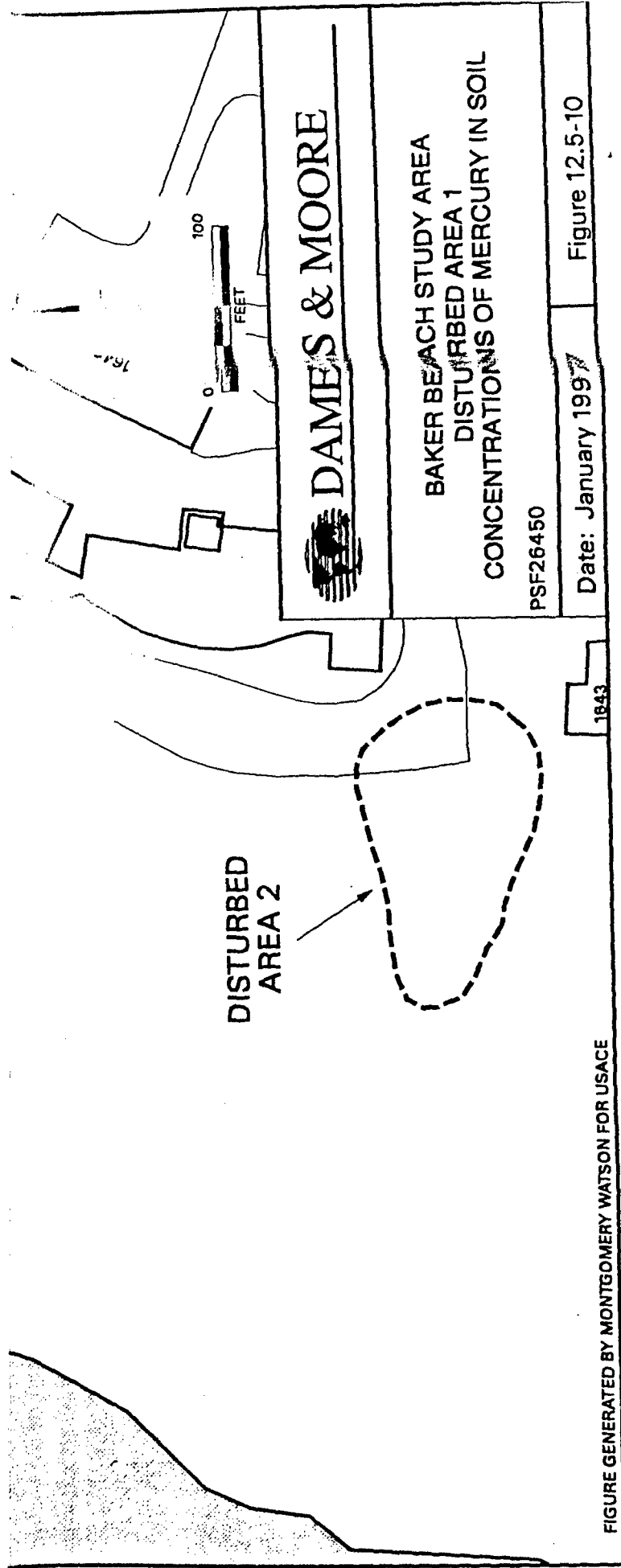
BBSB06			
DEPTH	0.0'	2.5'	
LITHOLOGY	BE/DU	SERP	
Mercury	0.081	0.077	

DISTURBED
AREA 1

BATTERY
MARCUS MILLER



2



EXPLANATION

• SOIL BORING

▼ SEDIMENT SAMPLE

◻ - APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

BBSB01			
DEPTH	0.0'	2.0'	FILL
LITHOLOGY	FILL	FILL	FILL
Nickel	1210.000	1540.000	

PACIFIC OCEAN

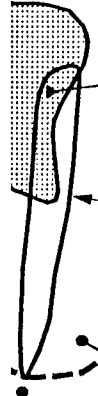
BBSB05		
DEPTH	0.0'	SERP
LITHOLOGY	SERP	
Nickel	559.000	

DISTURBED
AREA 1

BBSB02			
DEPTH	0.0'	2.5'	SERP
LITHOLOGY	BE/DU	SERP	
Nickel	1110.000	1840.000	

BATTERY
MARCUS MILLER

LITHOLOGY	SERP
Nickel	559.000



SEEP ZONE

BBSB04			
DEPTH	0.0'	1.5'	
LITHOLOGY	FILL	FILL	
Nickel	68.100	53.600	

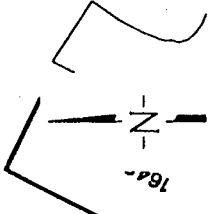
BBSB01			
DEPTH	0.0'	MISC	
LITHOLOGY			
Nickel		171.000	

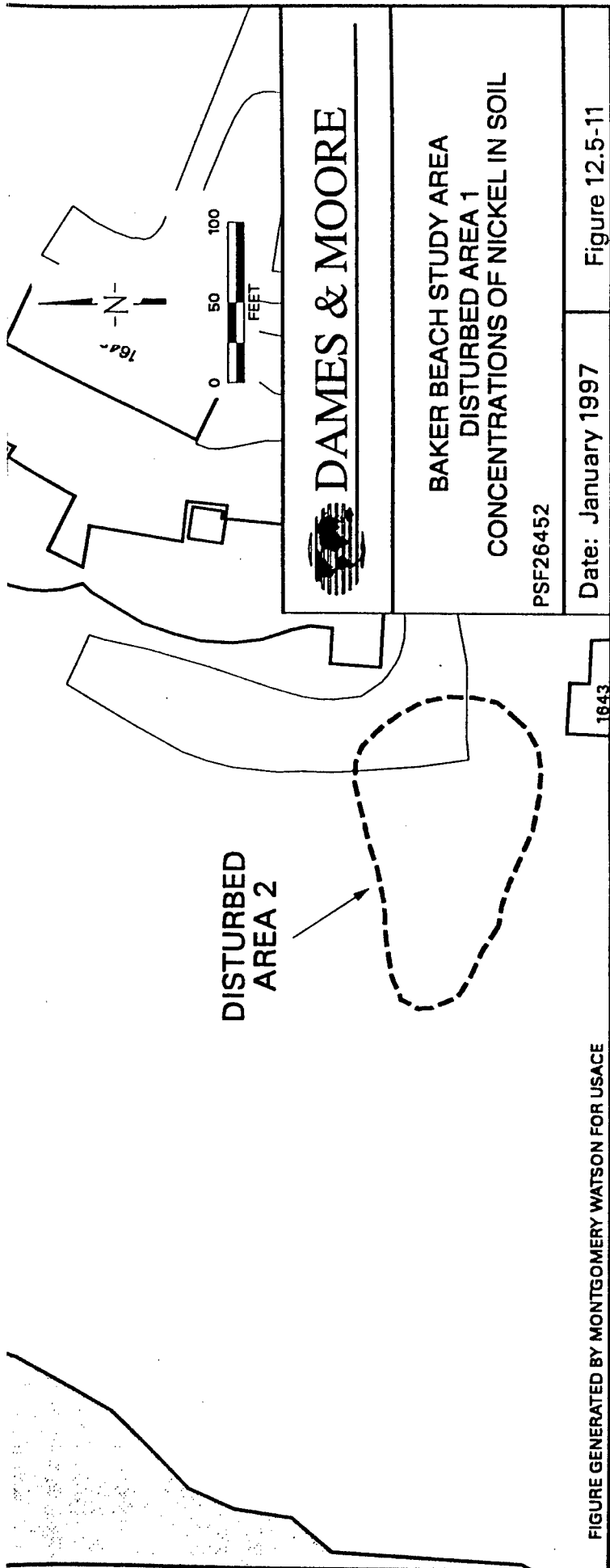
BBSB03			
DEPTH	0.0'	1.0'	
LITHOLOGY	FILL	FILL	
Nickel	72.400	70.500	

BATTERY
BOUTELLE

BATTERY
GODFREY

DISTURBED
AREA 2





EXPLANATION

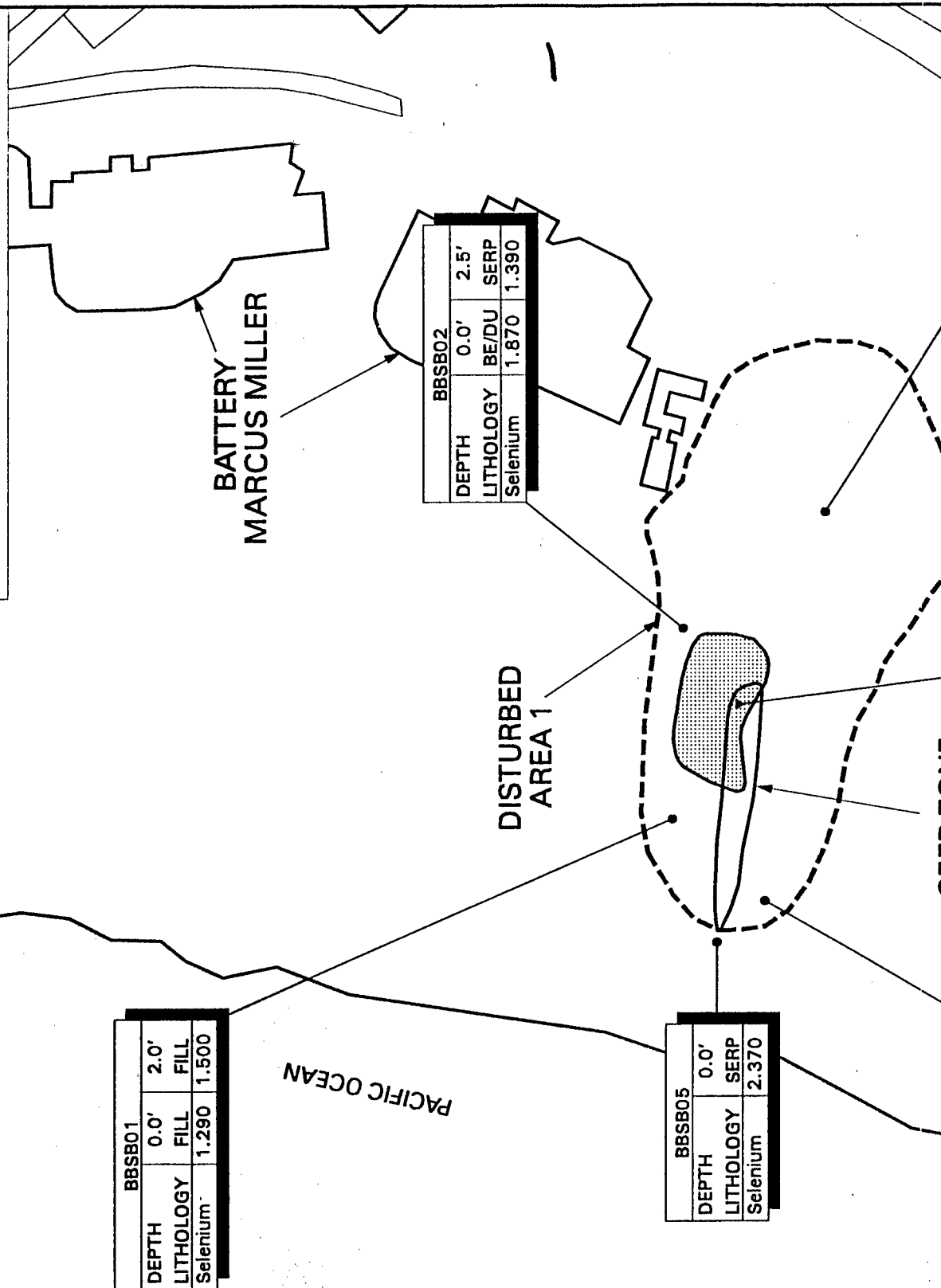
• SOIL BORING

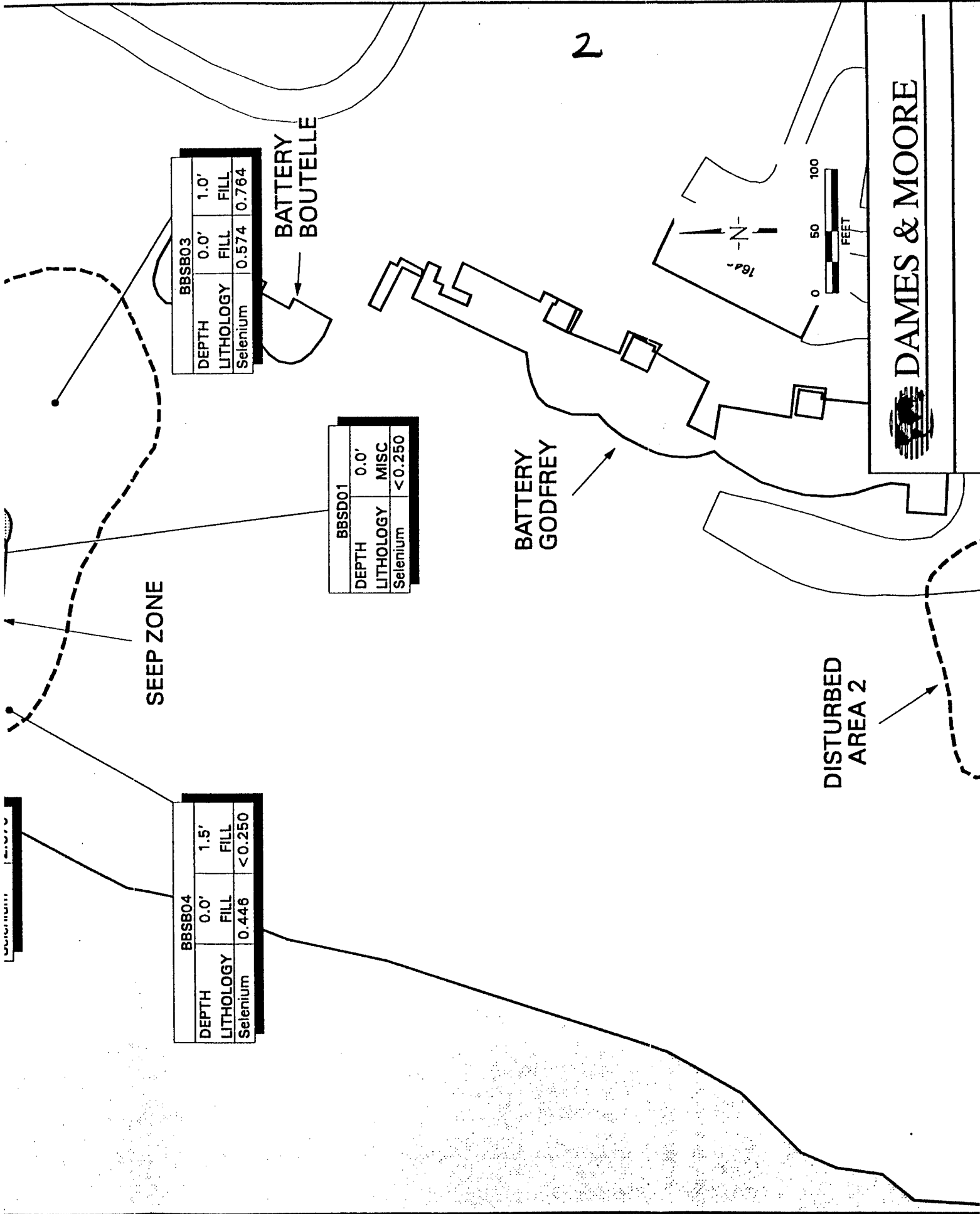
▼ SEDIMENT SAMPLE

APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.





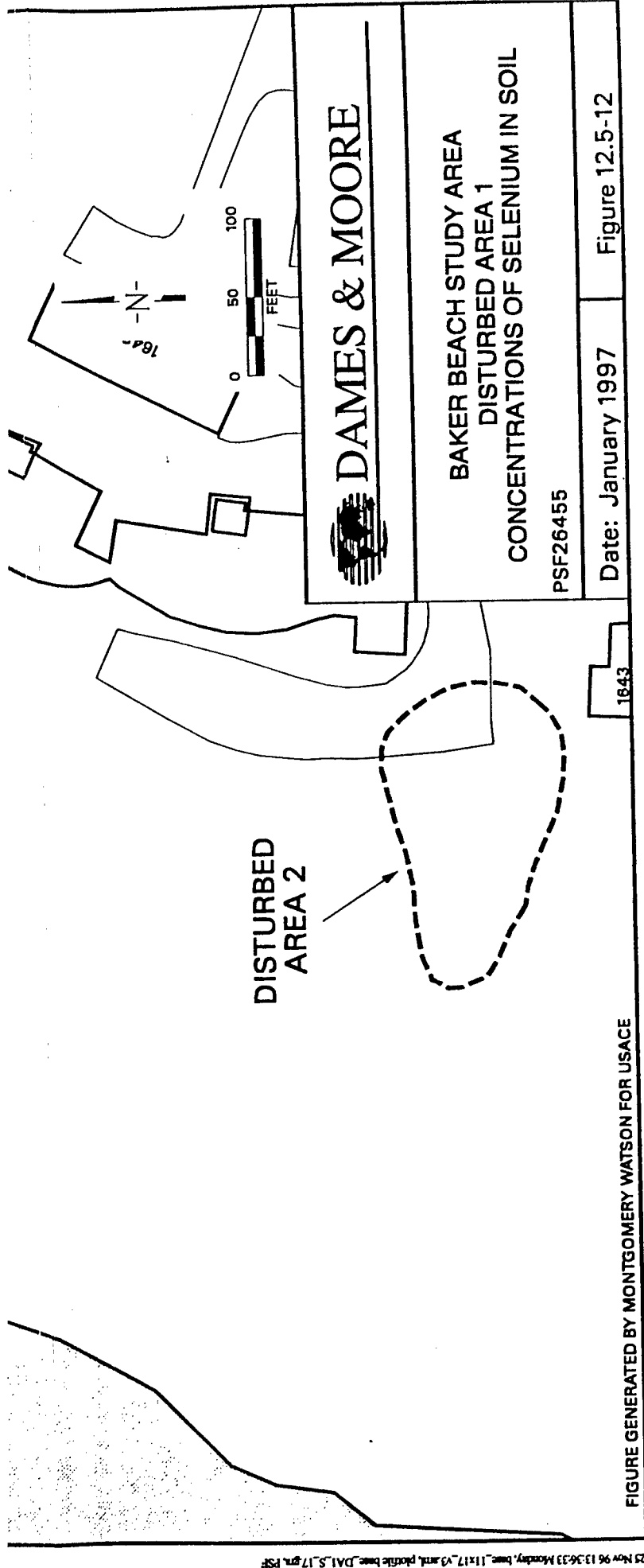
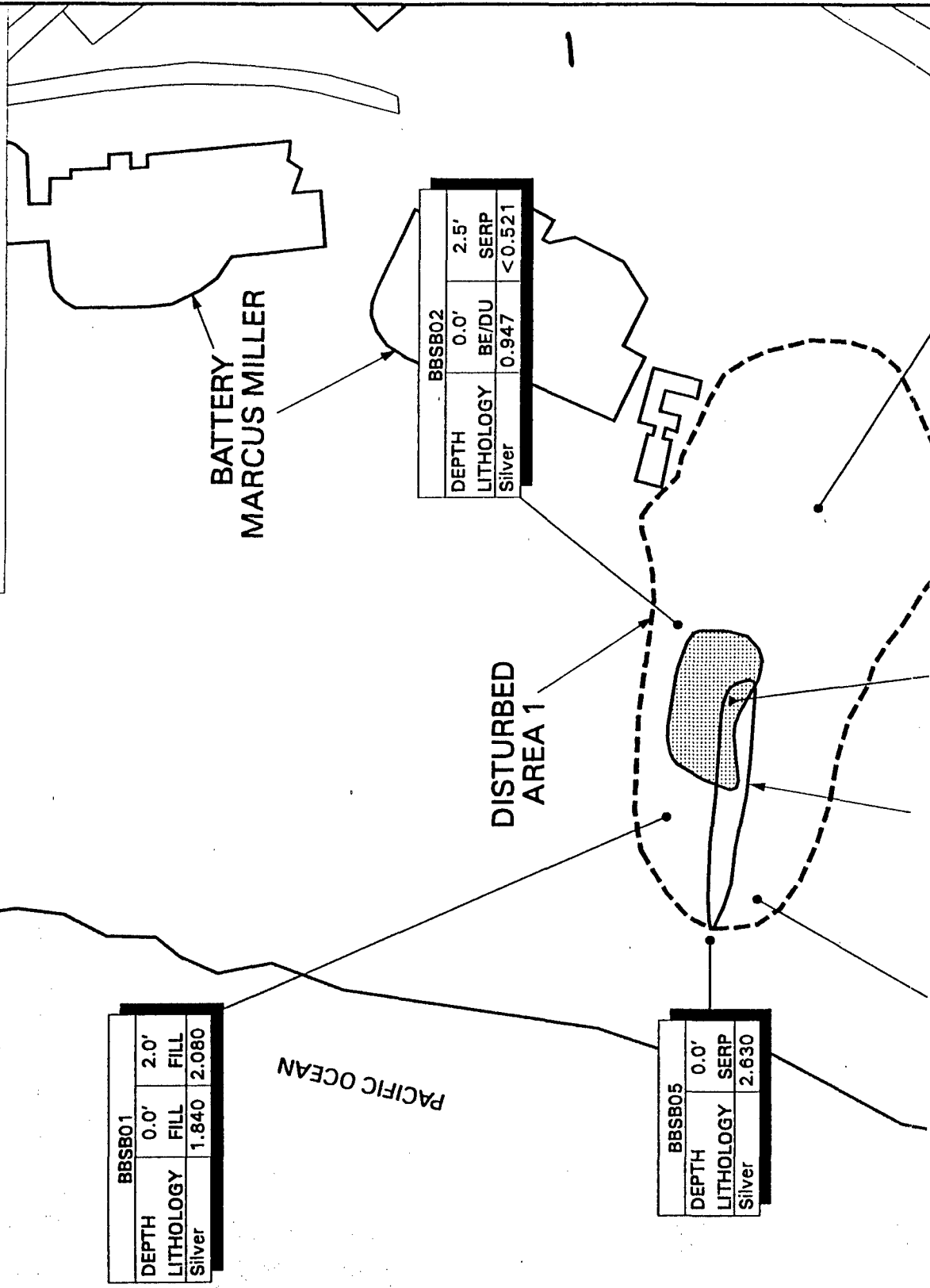


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

EXPLANATION

- SOIL BORING
- ▼ SEDIMENT SAMPLE
- APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

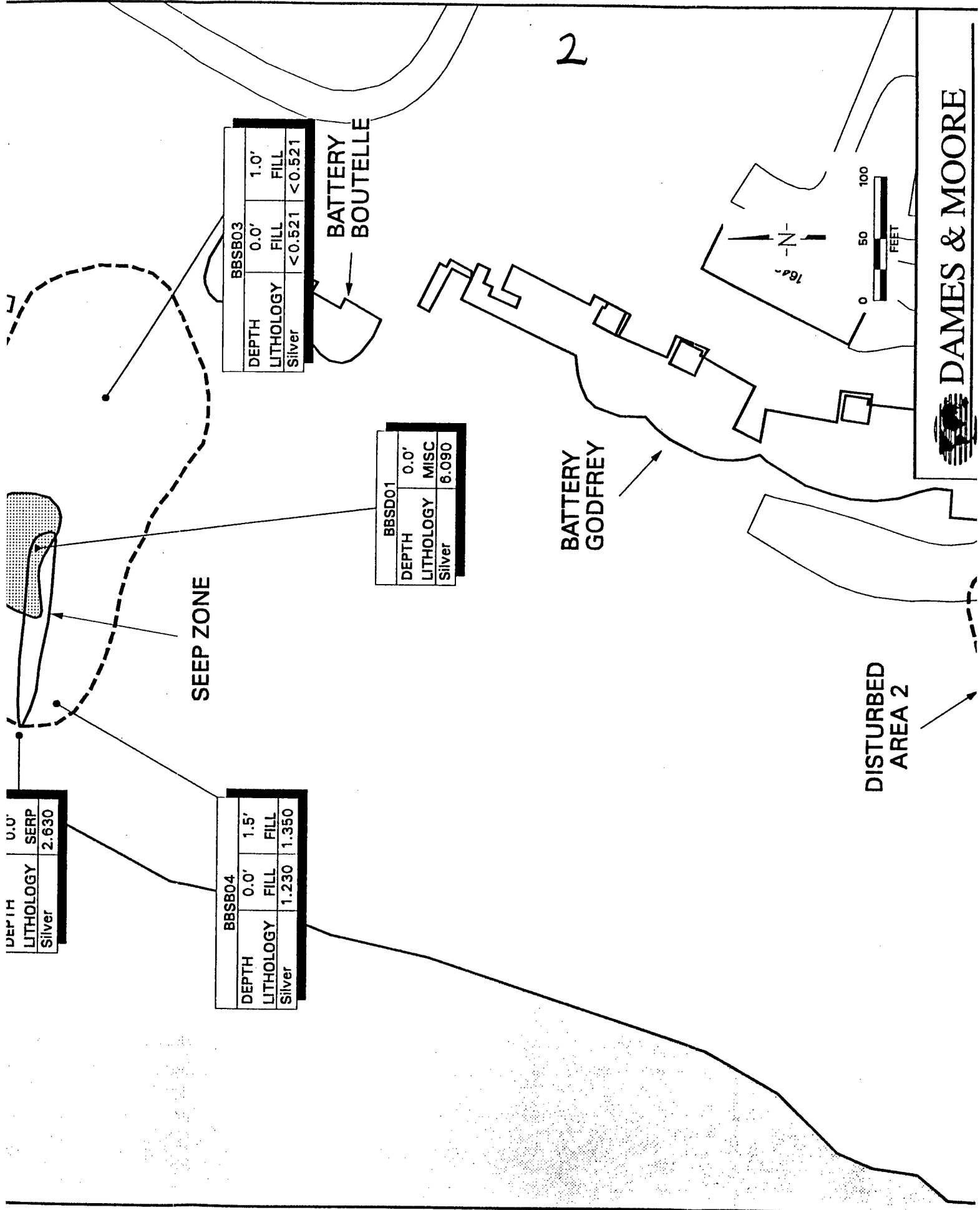


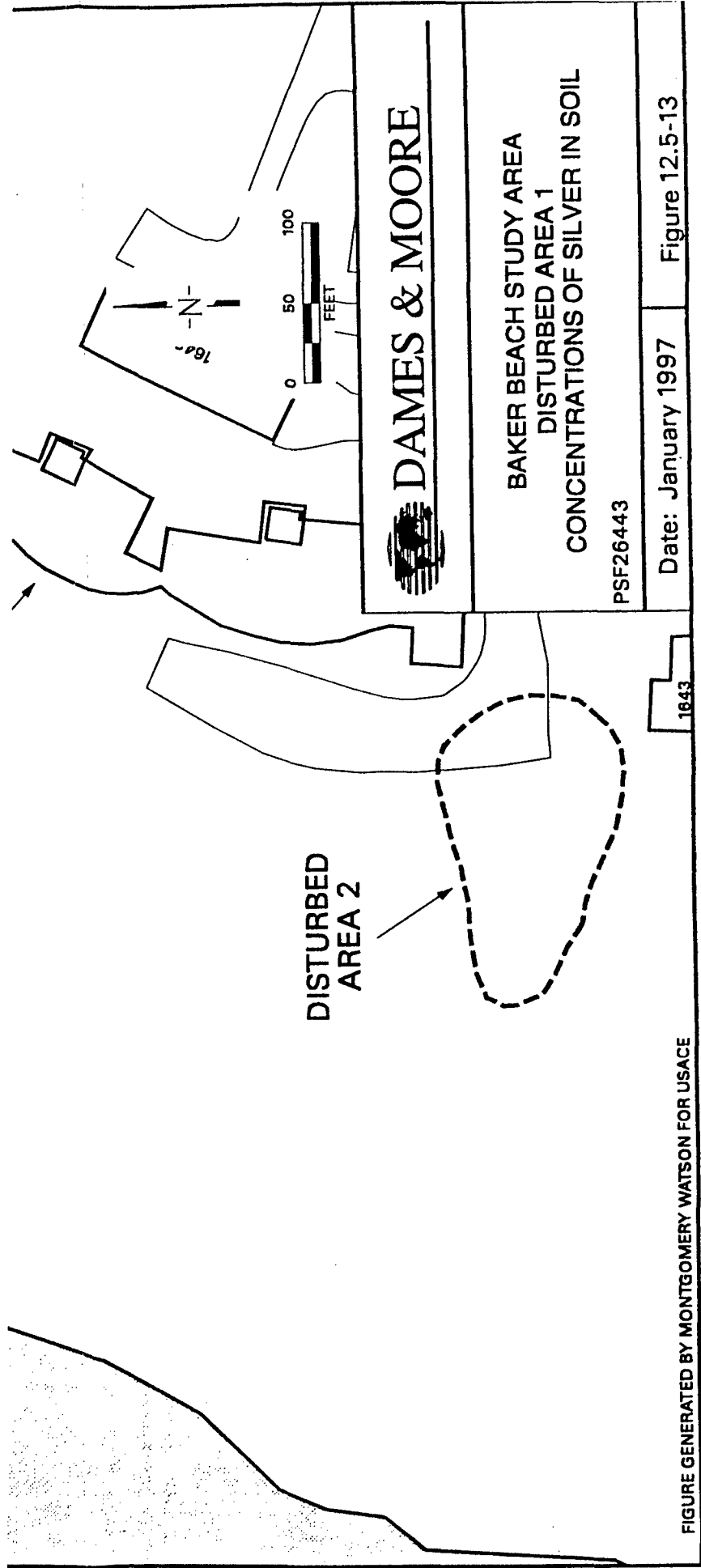
DEPTH	0.0'
LITHOLOGY	SERP
Silver	2.630

BBSB04			
DEPTH	0.0'	1.5'	
LITHOLOGY	FILL	FILL	
Silver	1.230	1.350	

BBSB01			
DEPTH	0.0'	MISC	
LITHOLOGY			
Silver		6.090	

BBSB03			
DEPTH	0.0'	1.0'	
LITHOLOGY	FILL	FILL	
Silver	<0.521	<0.521	





EXPLANATION

• SOIL BORING

▼ SEDIMENT SAMPLE



APPROXIMATE EXTENT OF MOUNDED
LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

BBSB01			
DEPTH	0.0'	2.0'	
LITHOLOGY	FILL	FILL	
Vanadium	64,000	69,300	

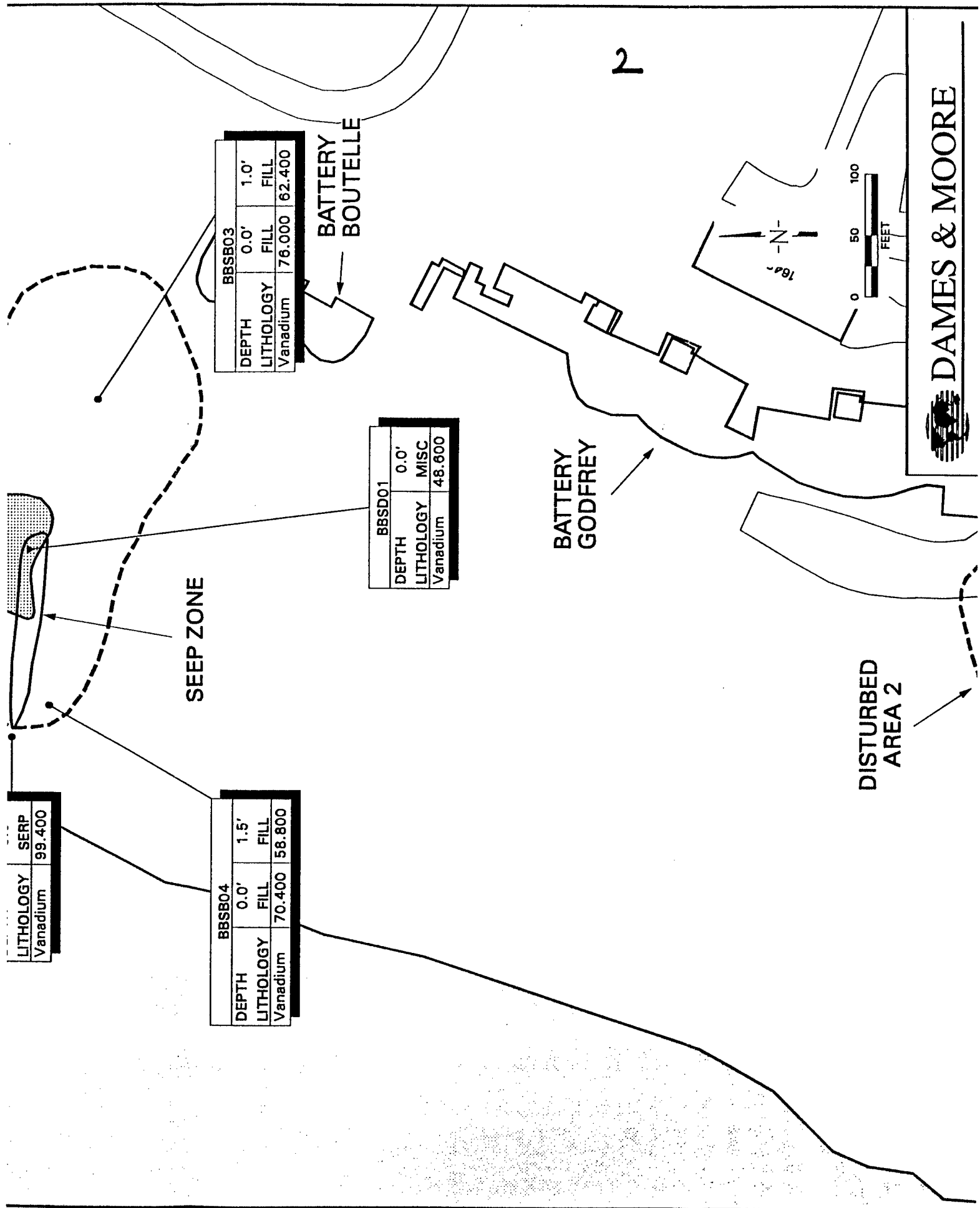
PACIFIC OCEAN

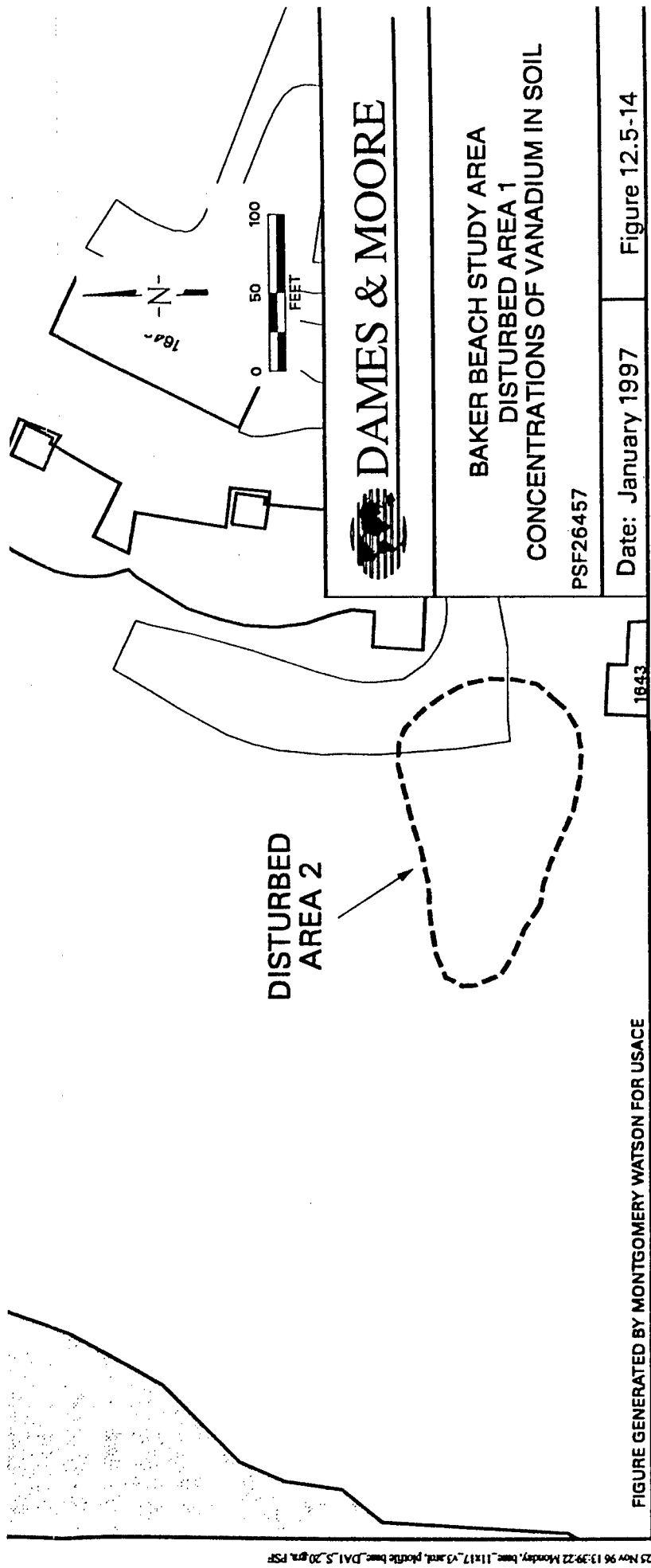
BBSB05			
DEPTH	0.0'	SERP	
LITHOLOGY			
Vanadium		99,400	

DISTURBED
AREA 1

BATTERY
MARCUS MILLER

BBSB02			
DEPTH	0.0'	2.5'	
LITHOLOGY	BE/DU	SERP	
Vanadium	77,100	68,300	

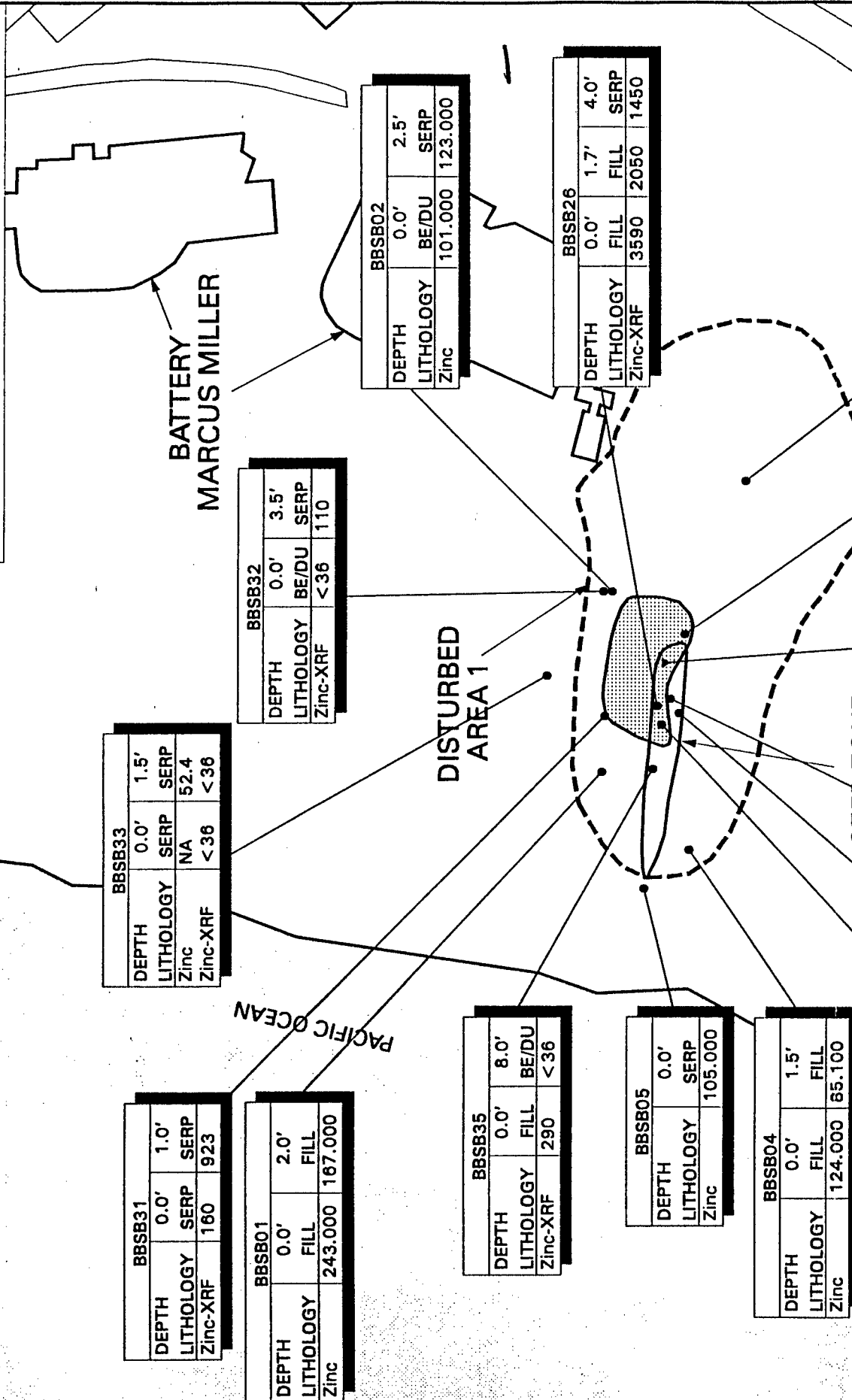


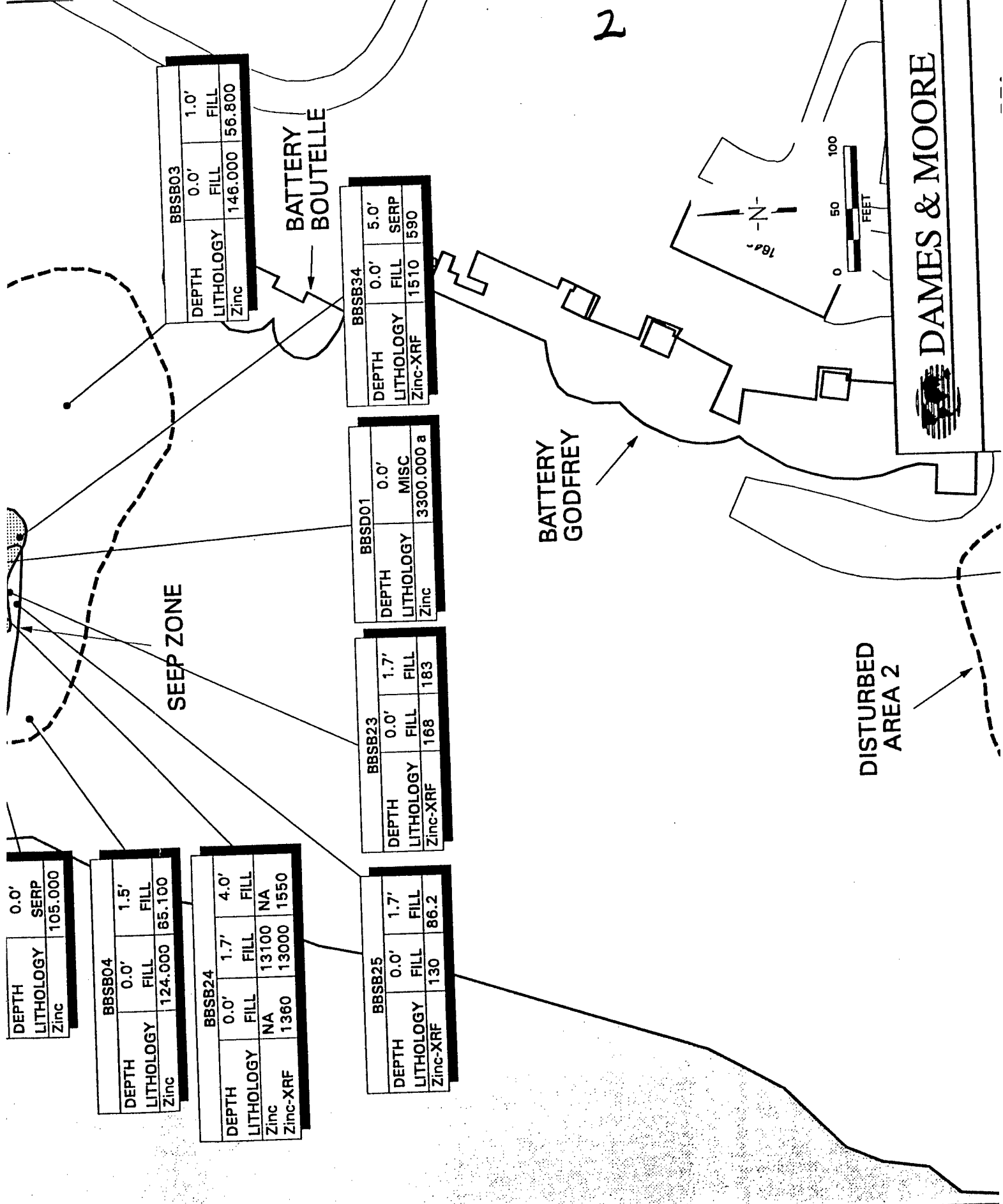


EXPLANATION

- SOIL BORING
- ▼ SEDIMENT SAMPLE
- APPROXIMATE EXTENT OF MOUNDED LANDFILL MATERIAL

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. NA = NOT ANALYZED





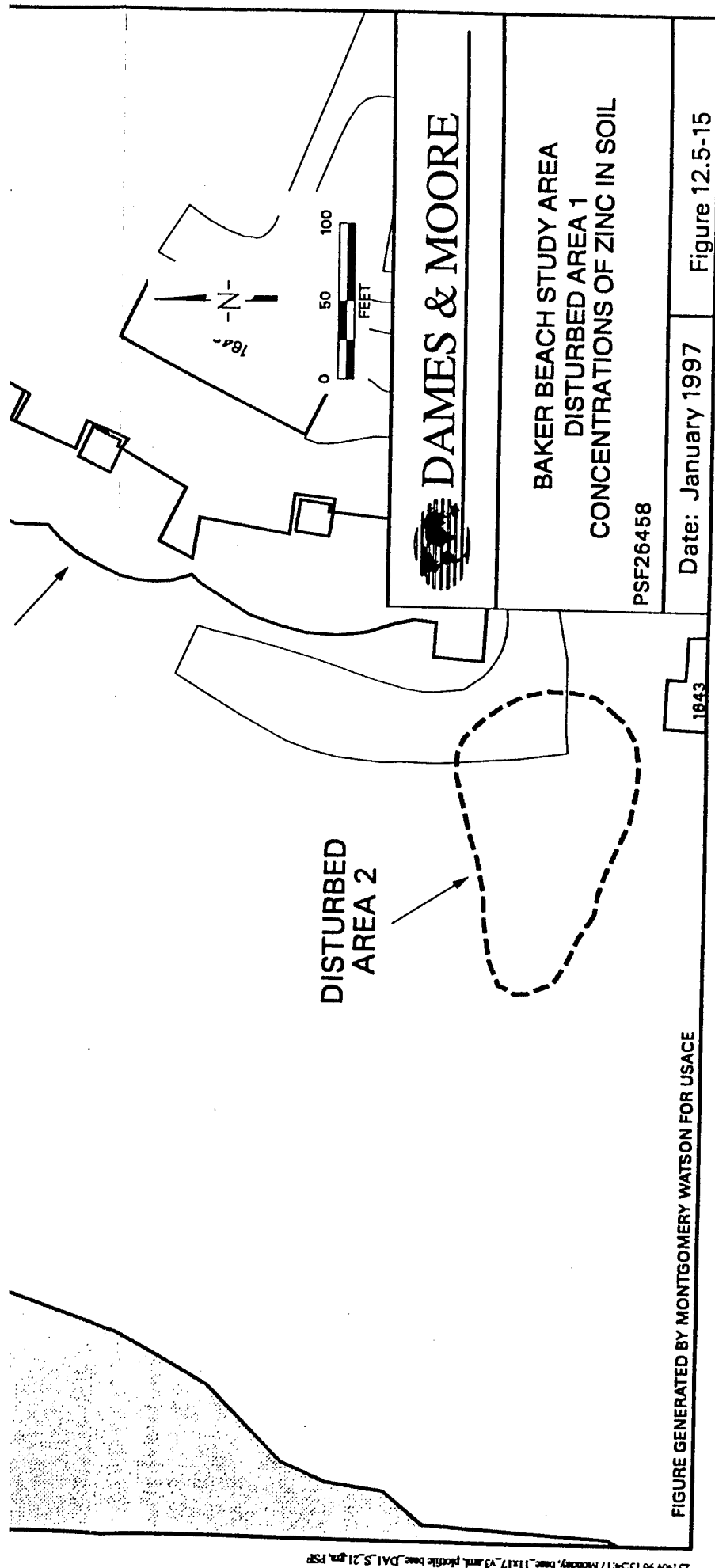
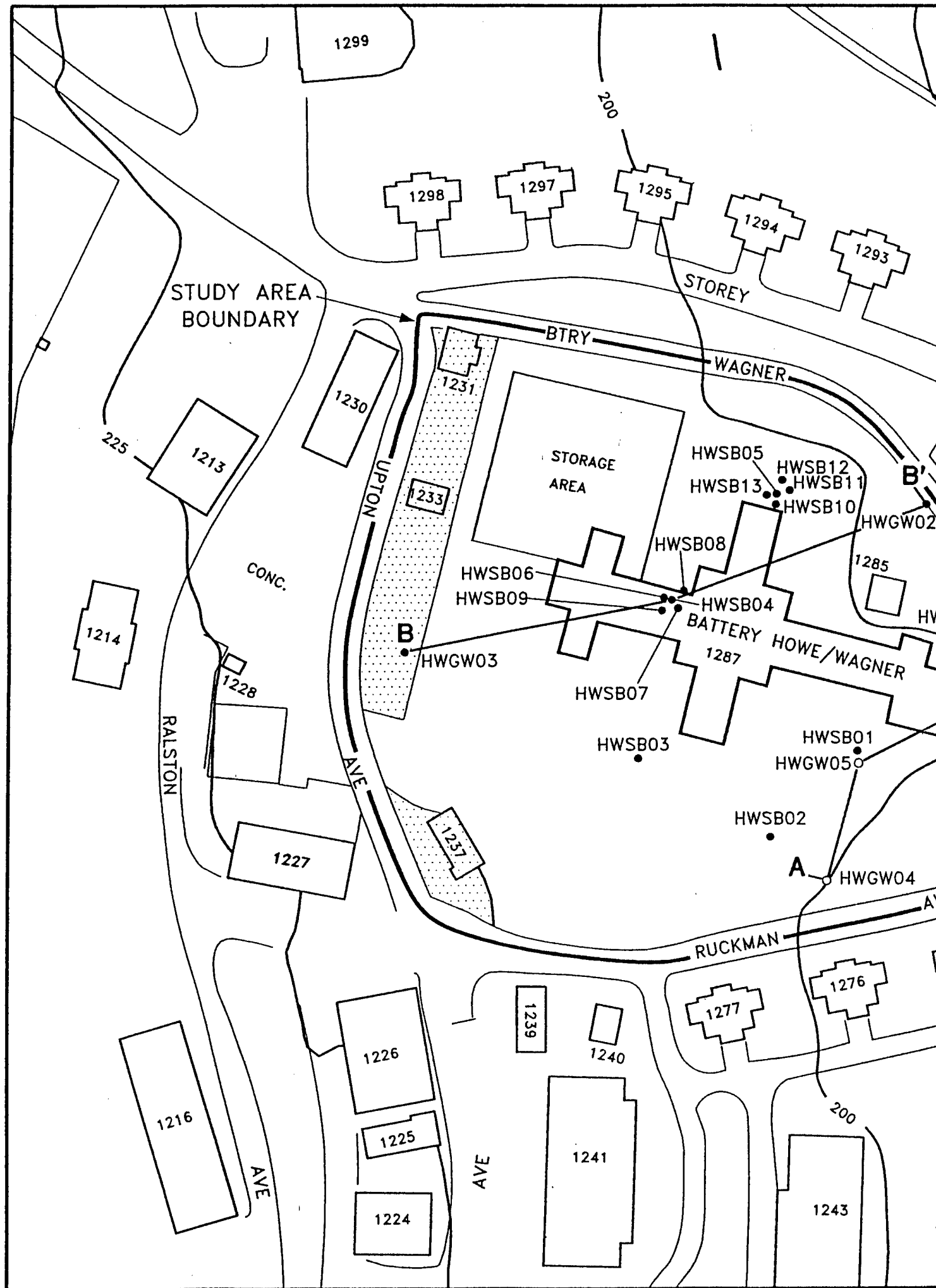


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

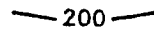


EXPLANATION

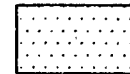
- SOIL BORING
- φ DISCRETE GROUNDWATER
- MONITORING WELL



CROSS SECTION LINE



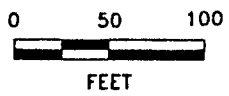
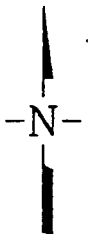
TOPOGRAPHIC CONTOUR



SURFACES COVERED BY PAVEMENT OR BUILDINGS

CONTOUR INTERVAL 25 FEET

ELEVATIONS IN FEET—PRESIDIO LOWER LOW W



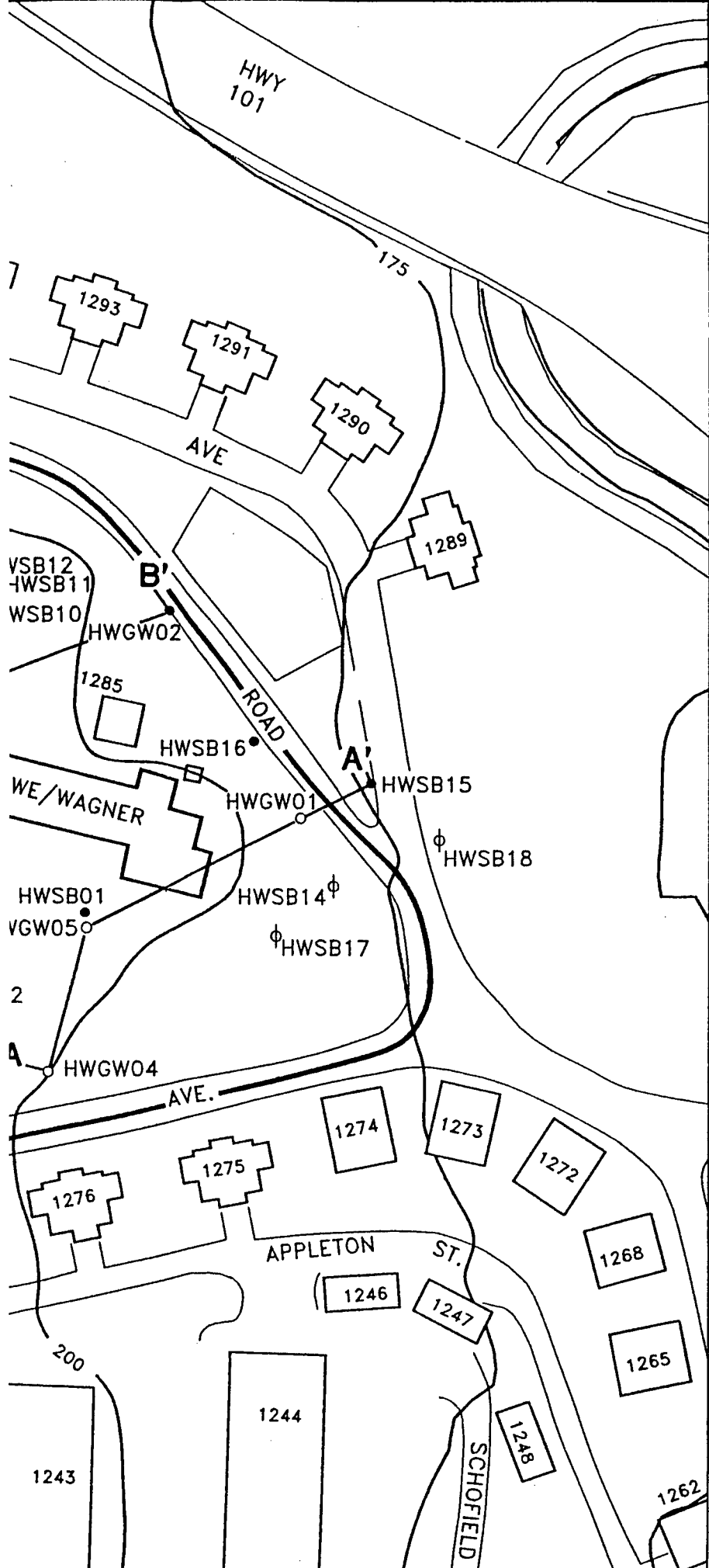
DAMES & M

**BATTERY HOWE/WA
SAMPLE LOCATIO**

PSF25016/DV2

Date: January 1997

Figure



EXPLANATION

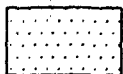
- SOIL BORING
- φ DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL

A A'

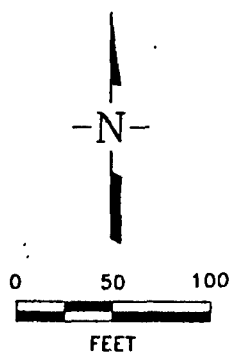
CROSS SECTION LINE

— 200 —

TOPOGRAPHIC CONTOUR

SURFACES COVERED BY
PAVEMENT OR BUILDINGS

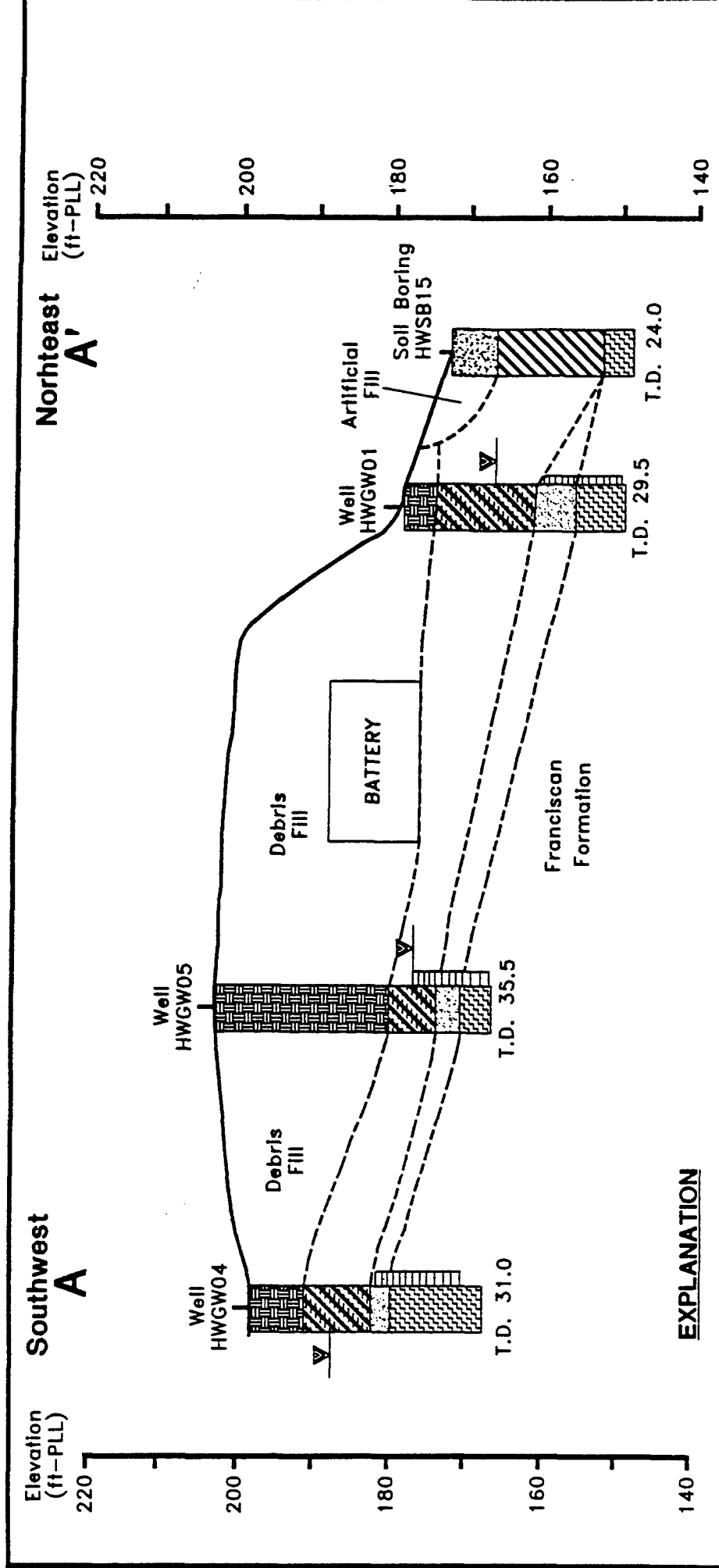
CONTOUR INTERVAL 25 FEET

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATERDAMES & MOOREBATTERY HOWE/WAGNER
SAMPLE LOCATIONS

PSF25016/DV2

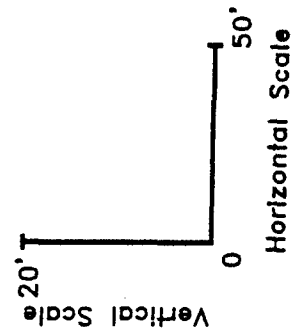
Date: January 1997

Figure 13.1-1



EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Silt
- Sand
- Serpentinite
- Contact, dashed where inferred
- ▽ Water Level (3/16/95)
- T.D. Total Depth (ft bgs)
- ft-PLL feet-Presidio Lower Low Water
- Well Screen Interval



DAMES & MOORE

**BATTERY HOWE/WAGNER
CROSS SECTION A-A'**

PSF25037/DV2

Date: January 1997

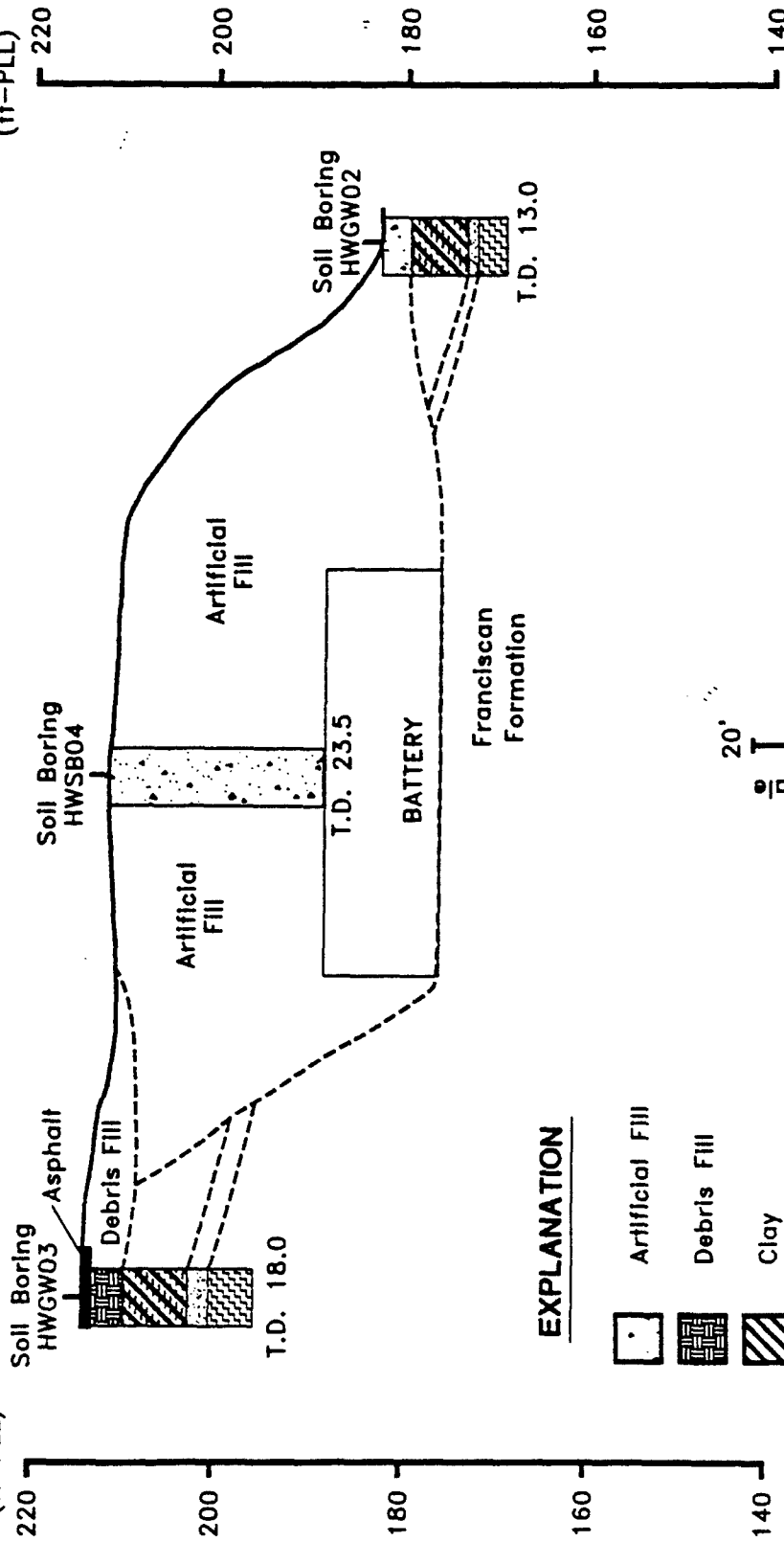
Figure 13.3-1

**Southwest
B**

**Northeast
B'**

Elevation
(ft-PLL)

Elevation
(ft-PLL)



EXPLANATION

- Artificial Fill
- Debris Fill
- Clay
- Silt
- Sand
- Serpentinite

--- Contact, Dashed where Inferred
 T.D. Total Depth (ft bgs)
 ft-PLL feet-Presidio Lower Low Water

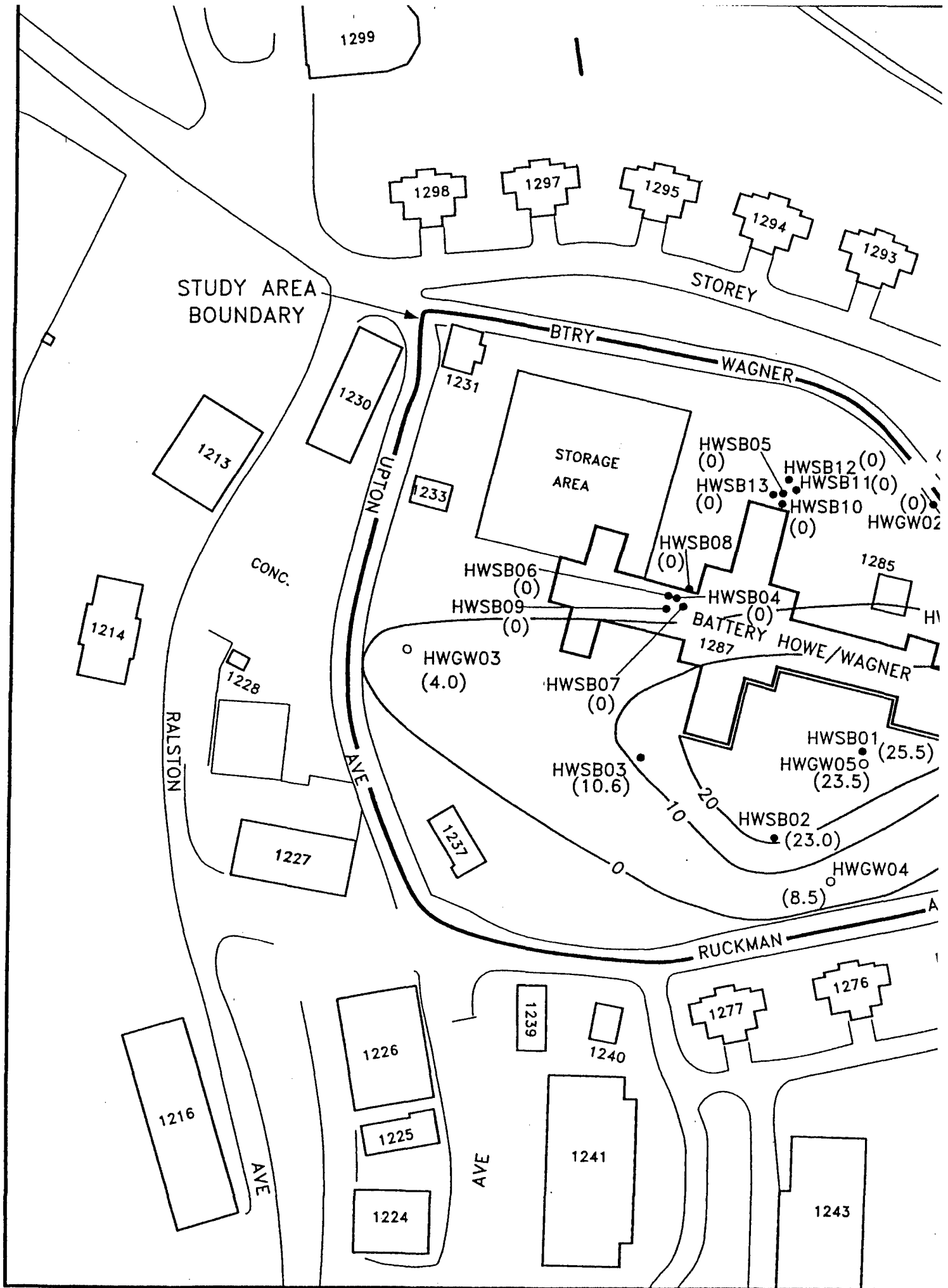
DAMES & MOORE

**BATTERY HOWE/WAGNER
CROSS SECTION B-B'**

PSR25036/dv2

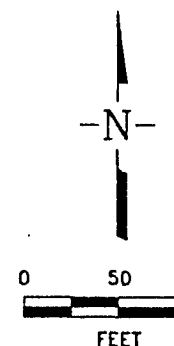
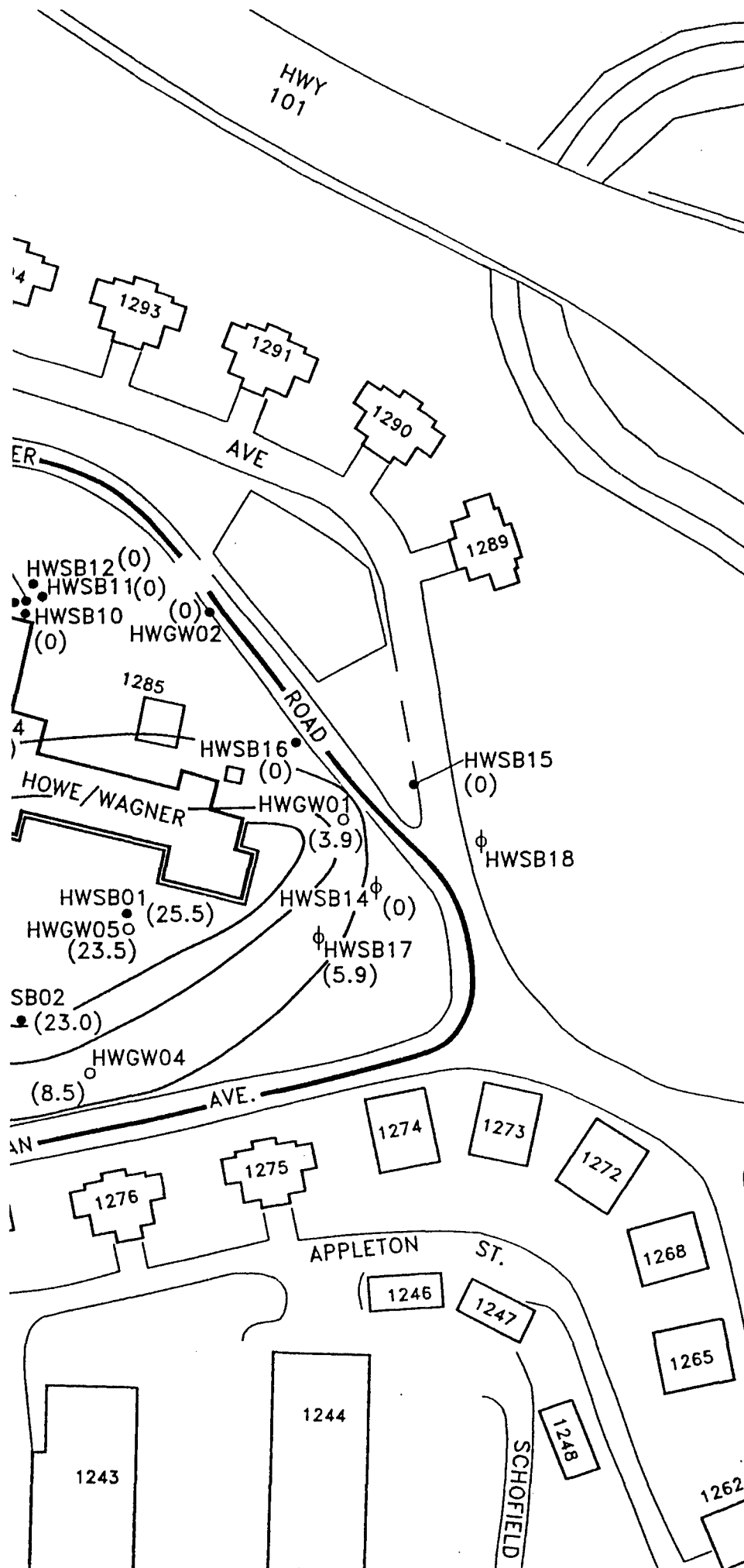
Date: January 1997

Figure 13.3-2



EXPLANATION

- SOIL BORING
- φ DISCRETE GROUNDWATER
- MONITORING WELL
- (8.5) DEBRIS FILL THICKNESS
- 10— DEBRIS FILL THICKNESS
- CONTOUR INTERVAL 1



DAMES &

BATTERY HOWE/
DEBRIS FILL IS

PSF25038/DV2

Date: January 1997

Fig

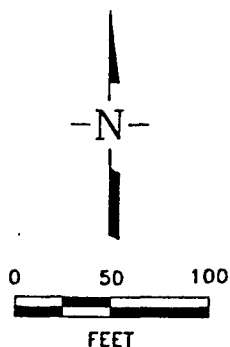
EXPLANATION

3

- SOIL BORING
- φ DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL

(8.5) DEBRIS FILL THICKNESS IN FEET

—10— DEBRIS FILL THICKNESS CONTOUR
CONTOUR INTERVAL 10 FEET



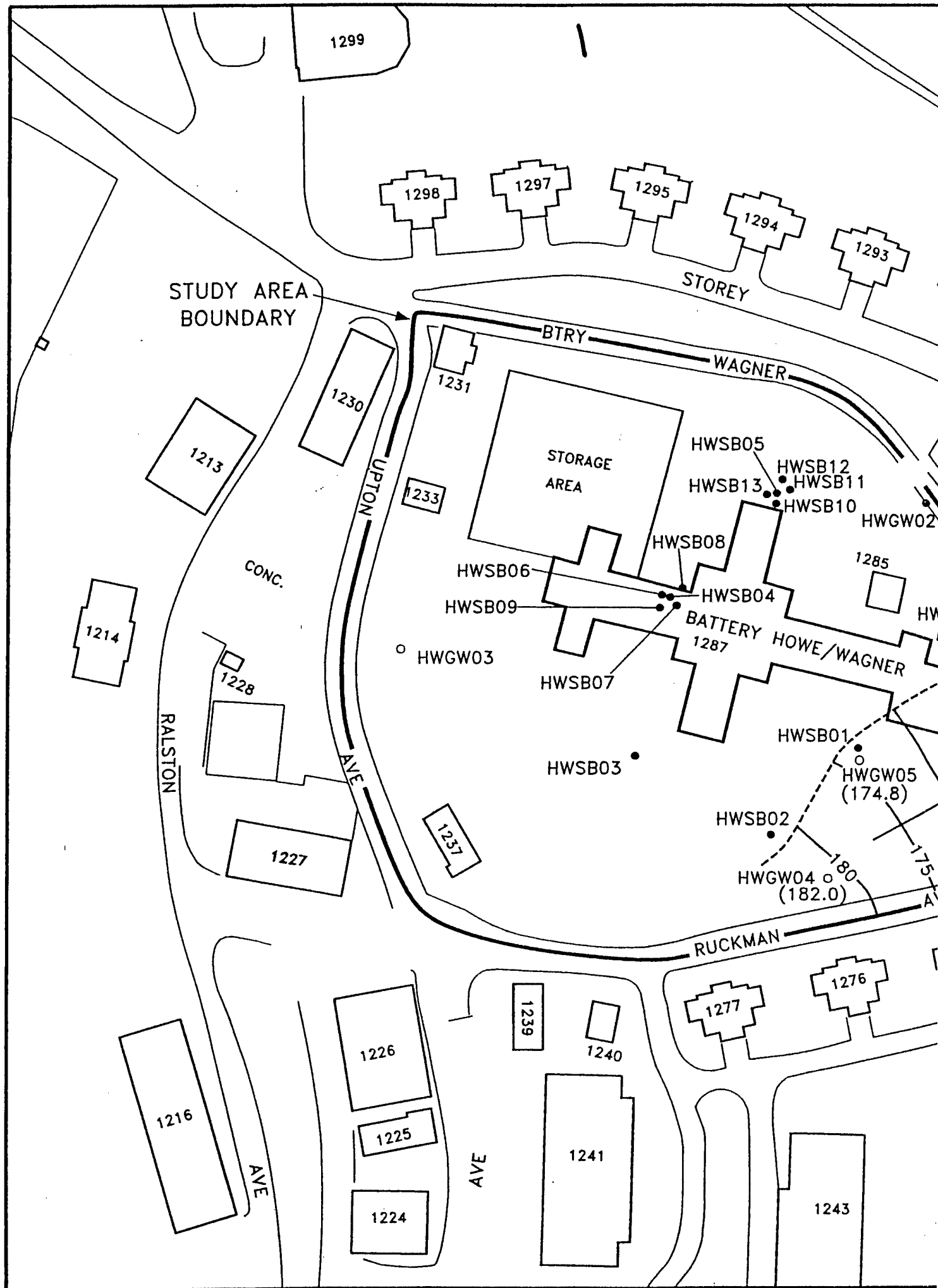
DAMES & MOORE

**BATTERY HOWE/WAGNER
DEBRIS FILL ISOPACH**

PSF25038/DV2

Date: January 1997

Figure 13.3-3



EXPLANATION

- SOIL BORING
- MONITORING WELL

(155.9) WATER TABLE SURFACE E
(9/10/92)

—155— EQUIPOTENTIAL CONTOUR
CONTOUR INTERVAL 5 FE

→ GROUNDWATER FLOW DIR

- - - ESTIMATED BOUNDARY BE
SATURATED & UNSATURATED
SEDIMENTS

ELEVATIONS IN
FEET—PRESIDIO LOWER LOCAL



0 50 100
FEET

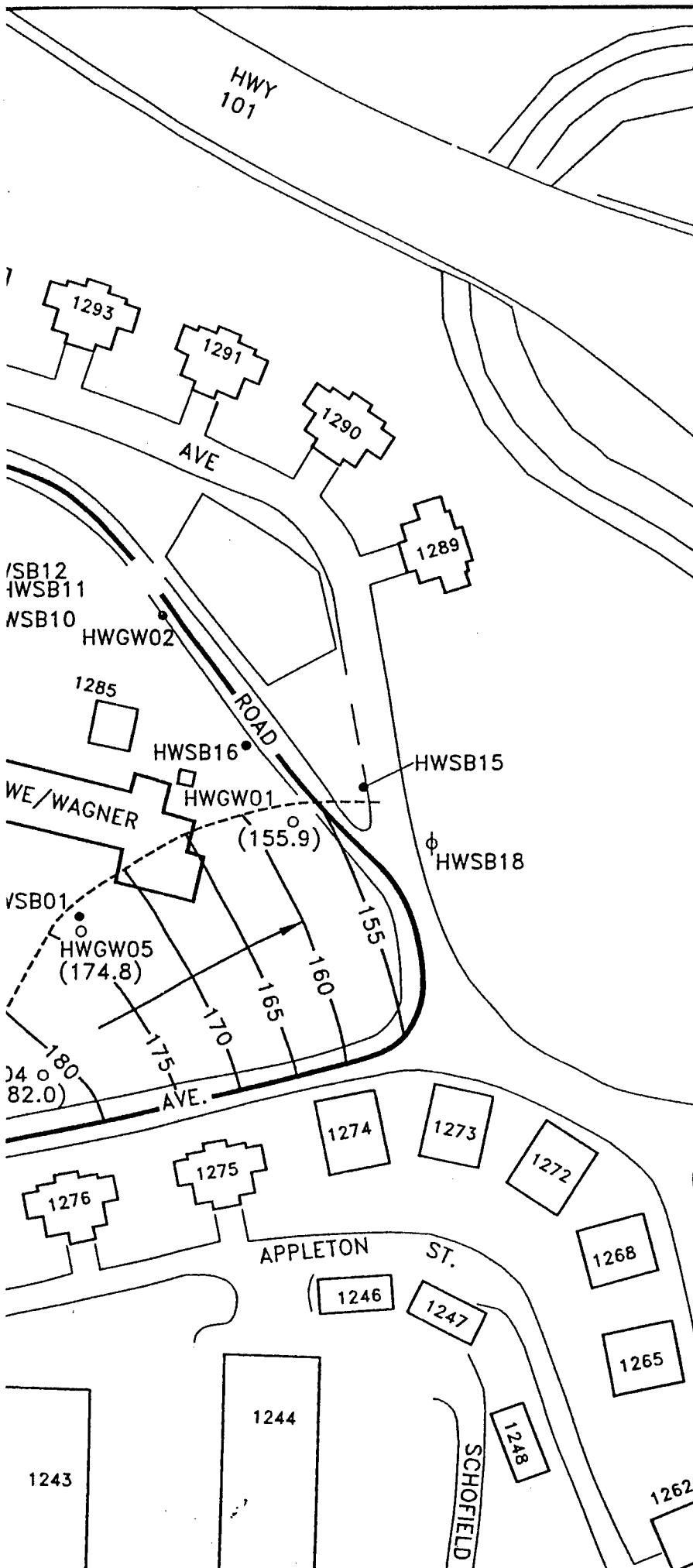
 **DAMES & MOORE**

**BATTERY HOWE/WAGNER
POTENTIOMETRIC SURFACE
SEPTEMBER 1992**

PSF25050/DV2

Date: January 1997

Figure



EXPLANATION

- SOIL BORING
- MONITORING WELL

(155.9) WATER TABLE SURFACE ELEVATION
(9/10/92)

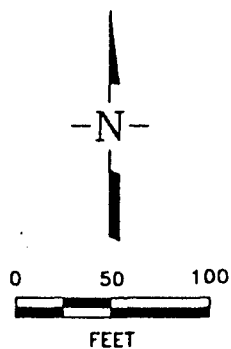
—155— EQUIPOTENTIAL CONTOUR

CONTOUR INTERVAL 5 FEET

→ GROUNDWATER FLOW DIRECTION

- - - ESTIMATED BOUNDARY BETWEEN
SATURATED & UNSATURATED
SEDIMENTS

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



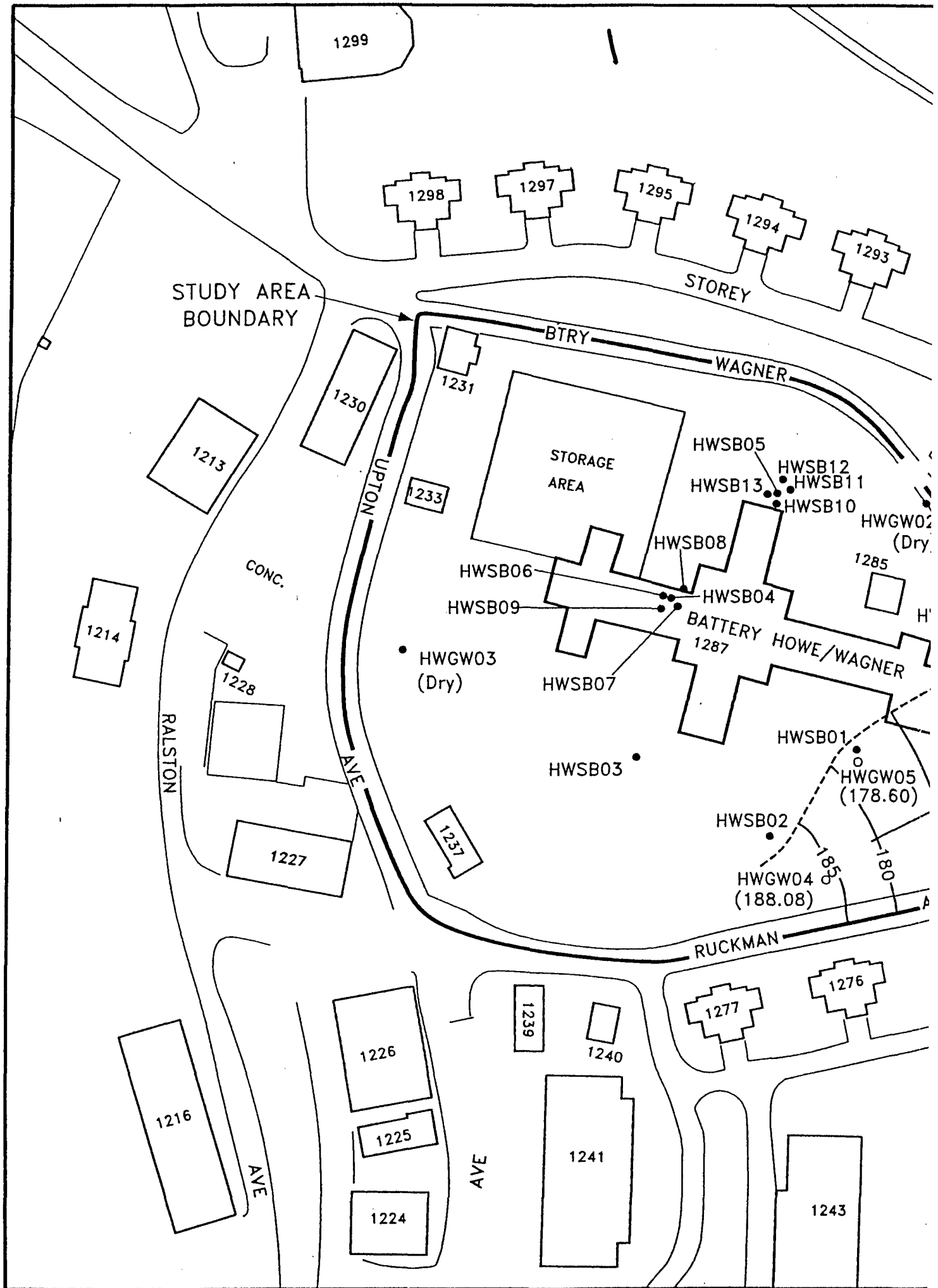
DAMES & MOORE

**BATTERY HOWE/WAGNER
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 1992**

PSF25050/DV2

Date: January 1997

Figure 13.3-4



2

EXPLANATION

- SOIL BORING
- MONITORING WELL
- φ DISCRETE GROUNDWATER

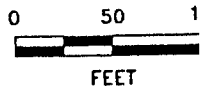
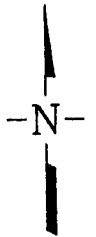
(188.08) WATER TABLE SURFACE
(3/16/95)

—160— EQUIPOTENTIAL CONTOUR
CONTOUR INTERVAL 5 F

→ GROUNDWATER FLOW DI

- - - ESTIMATED BOUNDARY B
SATURATED & UNSATUR
SEDIMENTS

ELEVATIONS
FEET-PRESIDIO LOWER



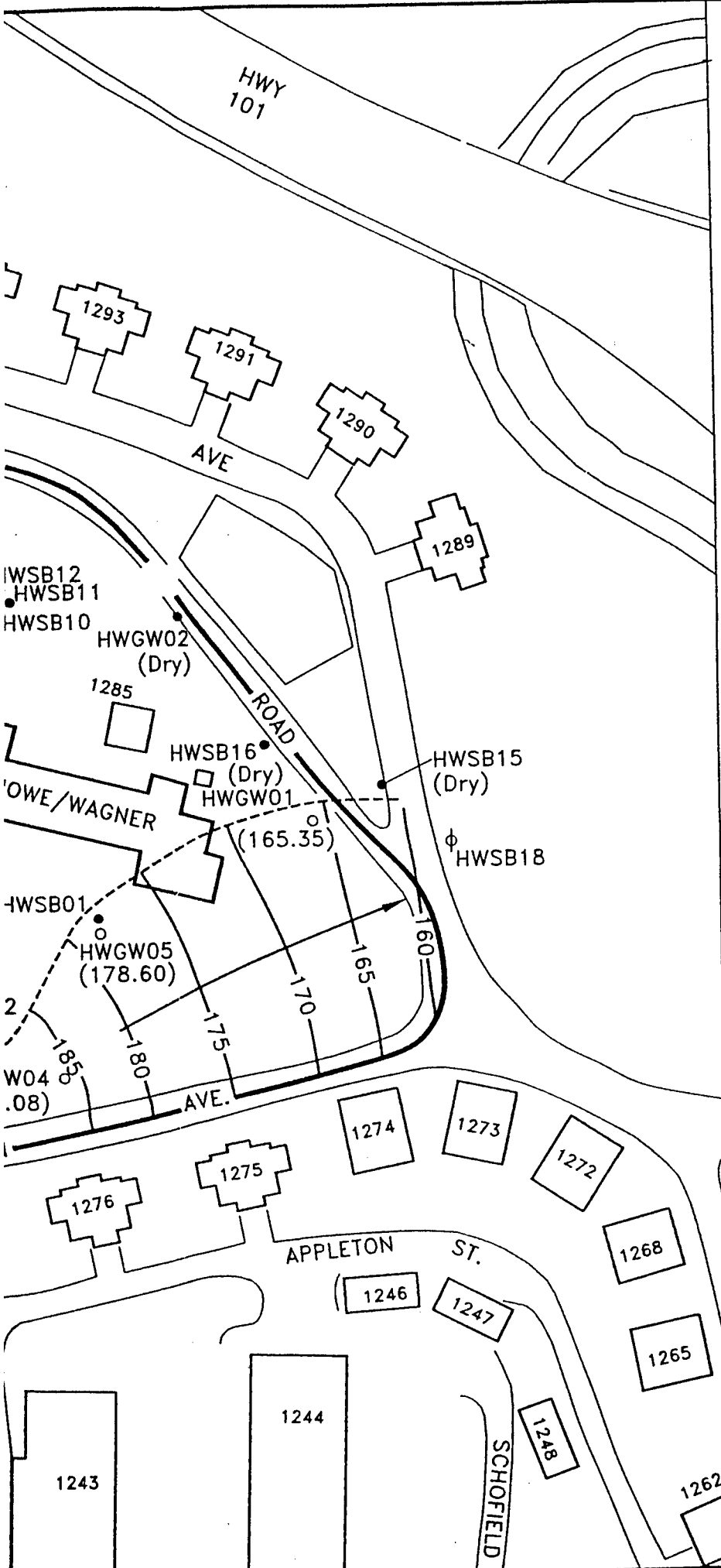
DAMES &

BATTERY HOWE/V
POTENTIOMETRIC SURV
MARCH 1991

PSF25051/DV1

Date: January 1997

Figur



EXPLANATION

- SOIL BORING
- MONITORING WELL
- φ DISCRETE GROUNDWATER SAMPLE

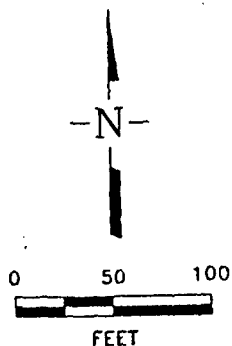
(188.08) WATER TABLE SURFACE ELEVATION
(3/16/95)

—160— EQUIPOTENTIAL CONTOUR
CONTOUR INTERVAL 5 FEET

→ GROUNDWATER FLOW DIRECTION

- - - ESTIMATED BOUNDARY BETWEEN
SATURATED & UNSATURATED
SEDIMENTS

ELEVATIONS IN
FEET—PRESIDIO LOWER LOW WATER



DAMES & MOORE

**BATTERY HOWE/WAGNER
POTENTIOMETRIC SURFACE MAP
MARCH 1995**

PSF25051/DV1

Date: January 1997

Figure 13.3-5

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Aluminum	12000.000 a	12000.000 a	3600.000 a

HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Aluminum	13000.000 a	8500.000 a	12000.000 a

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Aluminum	13000.000 a	7900.000 a	6800.000 a

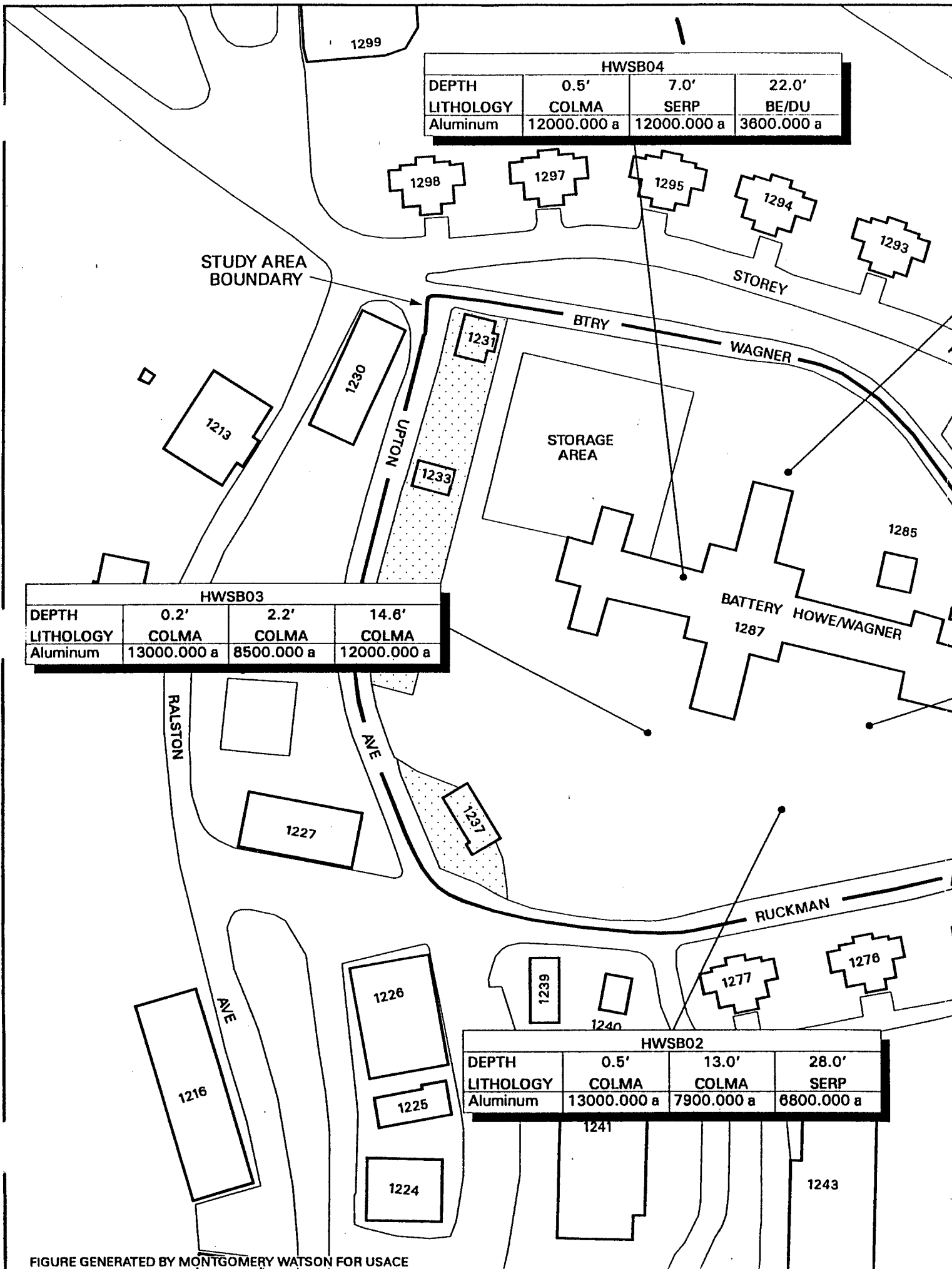


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

0.0'
DU
100 a

HWY
101

2

EXPLANATION

• SOIL BORING

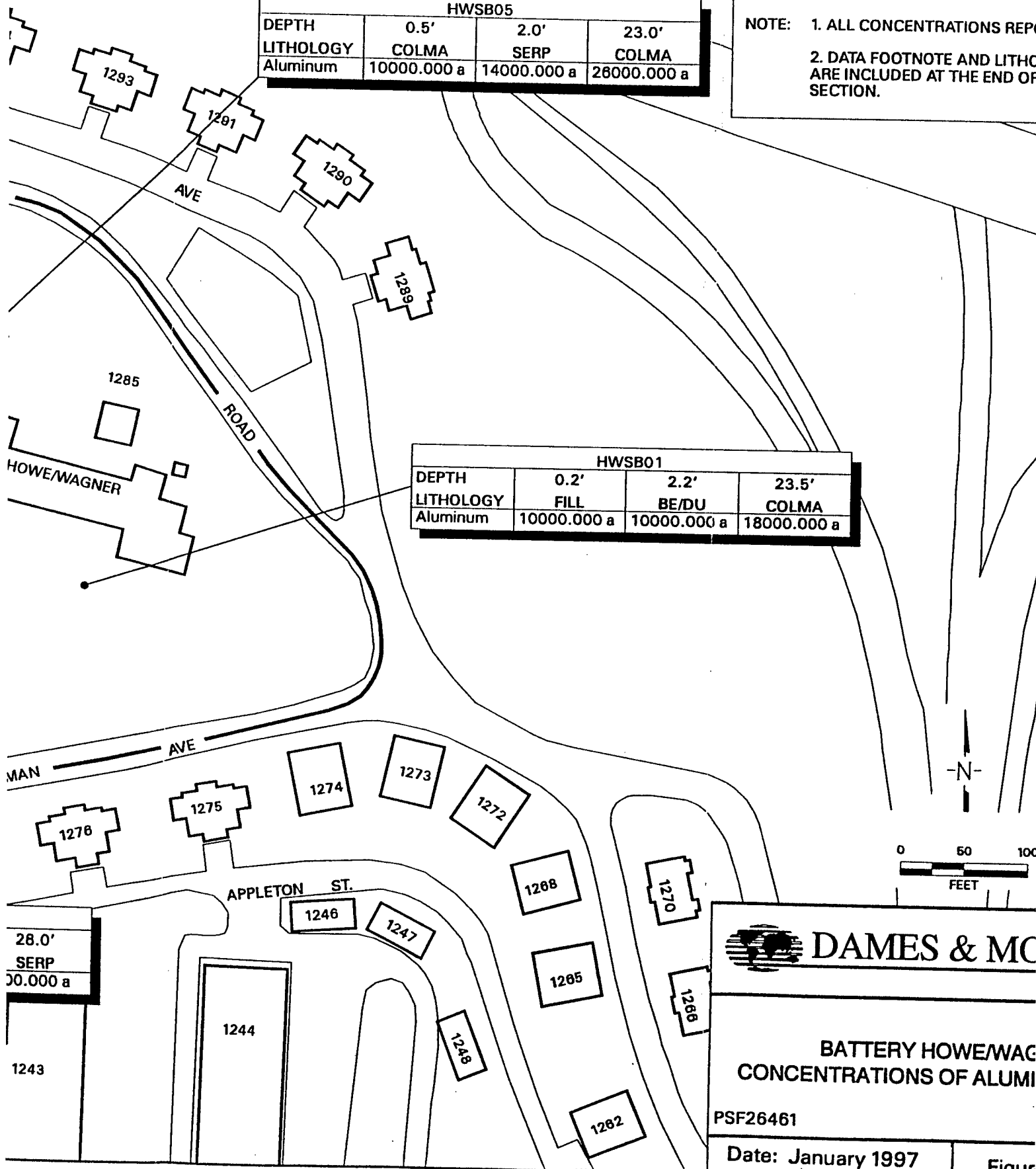


SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END OF
SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Aluminum	10000.000 a	14000.000 a	26000.000 a

HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Aluminum	10000.000 a	10000.000 a	18000.000 a



DAMES & MC

BATTERY HOWE/WAG
CONCENTRATIONS OF ALUMI

PSF26461

Date: January 1997

Figur

EXPLANATION

• SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

23.0'
COLMA
00.000 g

WSB01	
2.2'	23.5'
BE/DU	COLMA
10000.000 g	18000.000 g

-N-

0 50 100
FEET



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26461

Date: January 1997

Figure 13.5-1

1270

1268

1282

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Arsenic	2.800	2.150	2.600

HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Arsenic	4.260	4.510	2.890

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Arsenic	4.480	4.310	1.270

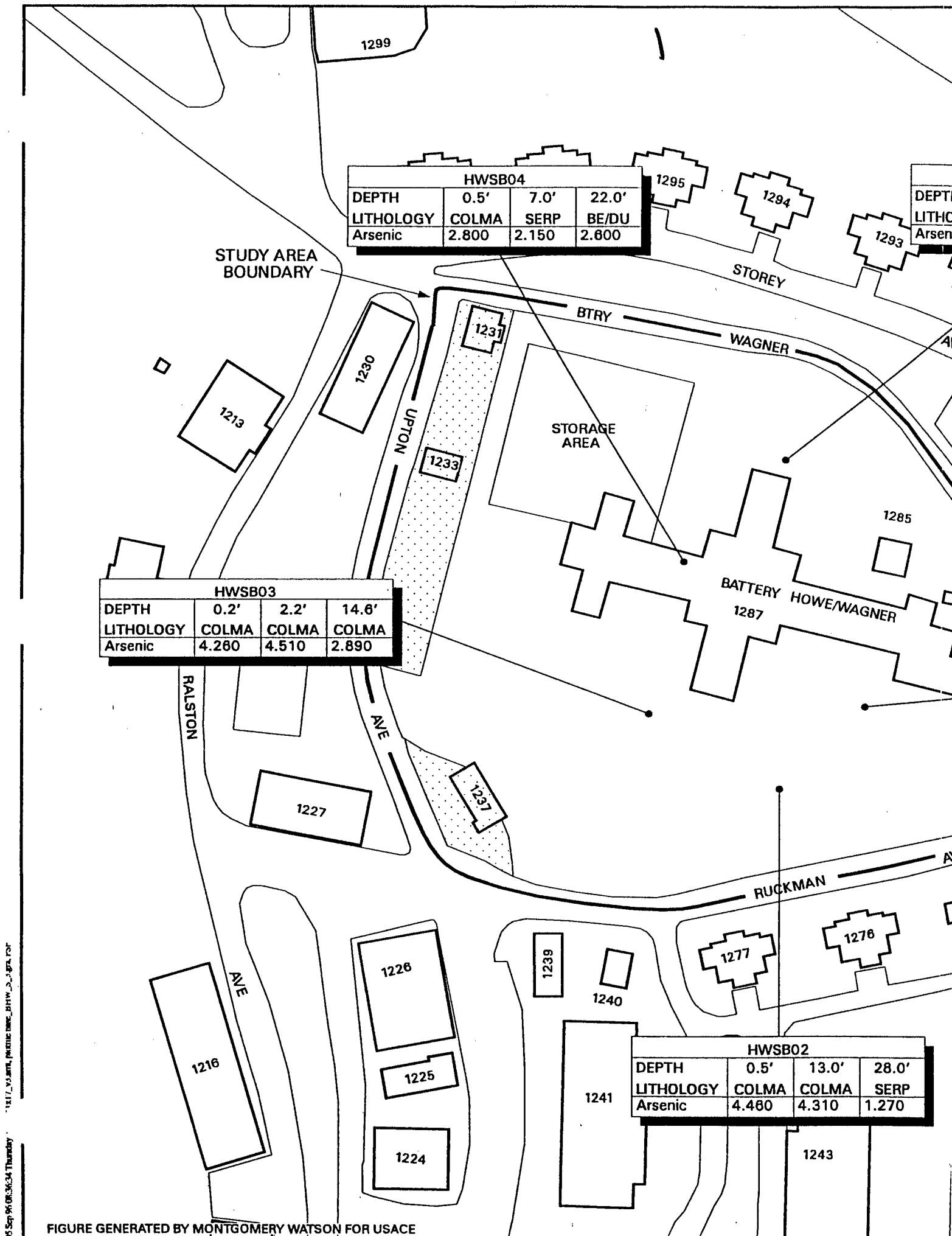
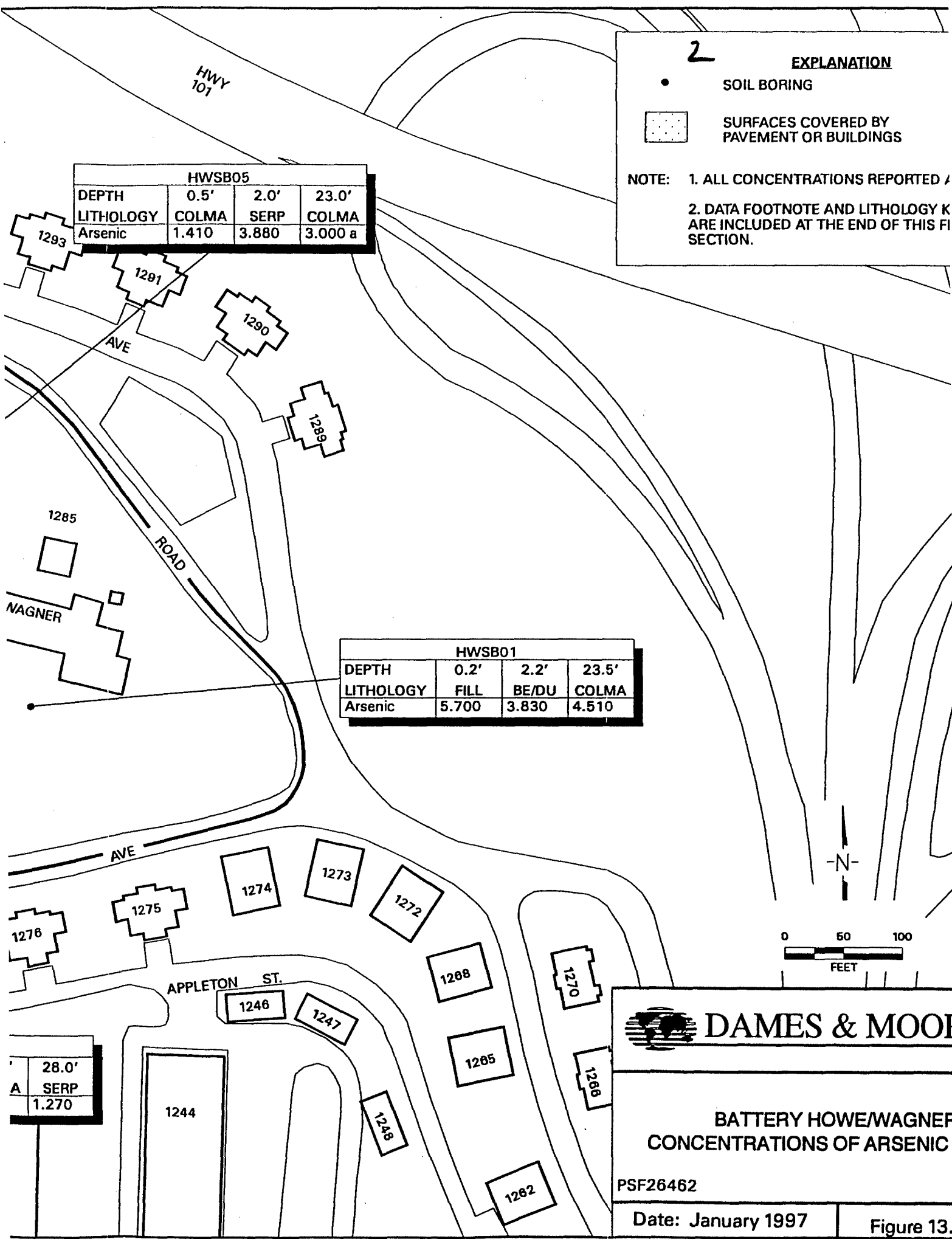


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE



2

EXPLANATION

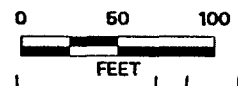
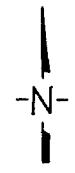
- SOIL BORING
- SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED /
2. DATA FOOTNOTE AND LITHOLOGY K ARE INCLUDED AT THE END OF THIS FI SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Arsenic	1.410	3.880	3.000 a

HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Arsenic	5.700	3.830	4.510

28.0'
A SERP
1.270



**BATTERY HOWE/WAGNER
CONCENTRATIONS OF ARSENIC**

PSF26462

Date: January 1997

Figure 13.

EXPLANATION

SOIL BORING

SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

23.5'
COLMA
1.510

-N-

0 50 100
FEET

**DAMES & MOORE**

BATTERY HOWE/WAGNER
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26462

Date: January 1997

Figure 13.5-2

HWY
101

2

EXPLANATION

SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDING

NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END C
SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Barium	86.600	87.800	144.000

1293

1291

1290

1289

1285

AVE

ROAD

HOWE/WAGNER

HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Barium	58.300	69.600	233.000

CKMAN AVE

1278

APPLETON ST.

1246

1247

1244

1243

1248

1282

1288

1285

1270

1268

SB02	
13.0'	28.0'
COLMA	SERP
81.100	14.300 f



0 60
FEET



DAMES & M

BATTERY HOWE/M
CONCENTRATIONS OF B

PSF26463

Date: January 1997

Fi

EXPLANATION

• SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

.2'	23.5'
/DU	COLMA
300	233.000

-N-

0 50 100
FEET



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF BARIUM IN SOIL**

PSF26463

Date: January 1997

Figure 13.5-3

HWY
101

2

EXPLANATION

SOIL BORING

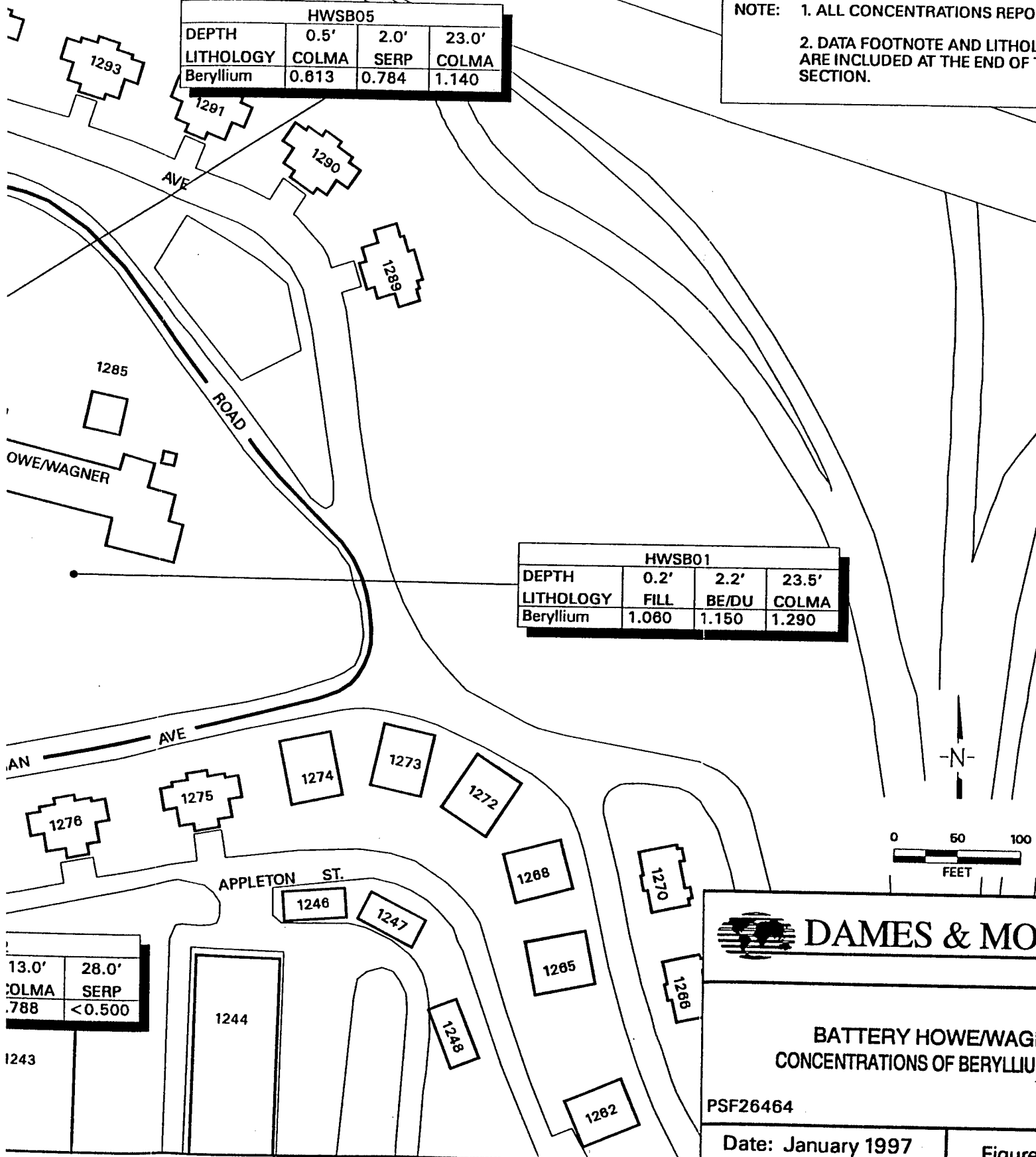


SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Beryllium	0.613	0.784	1.140

HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Beryllium	1.060	1.150	1.290



13.0'	28.0'
COLMA	SERP
.788	<0.500

DAMES & MO

BATTERY HOWE/WAGNER
CONCENTRATIONS OF BERYLLIUM

PSF26464

Date: January 1997

Figure

EXPLANATION

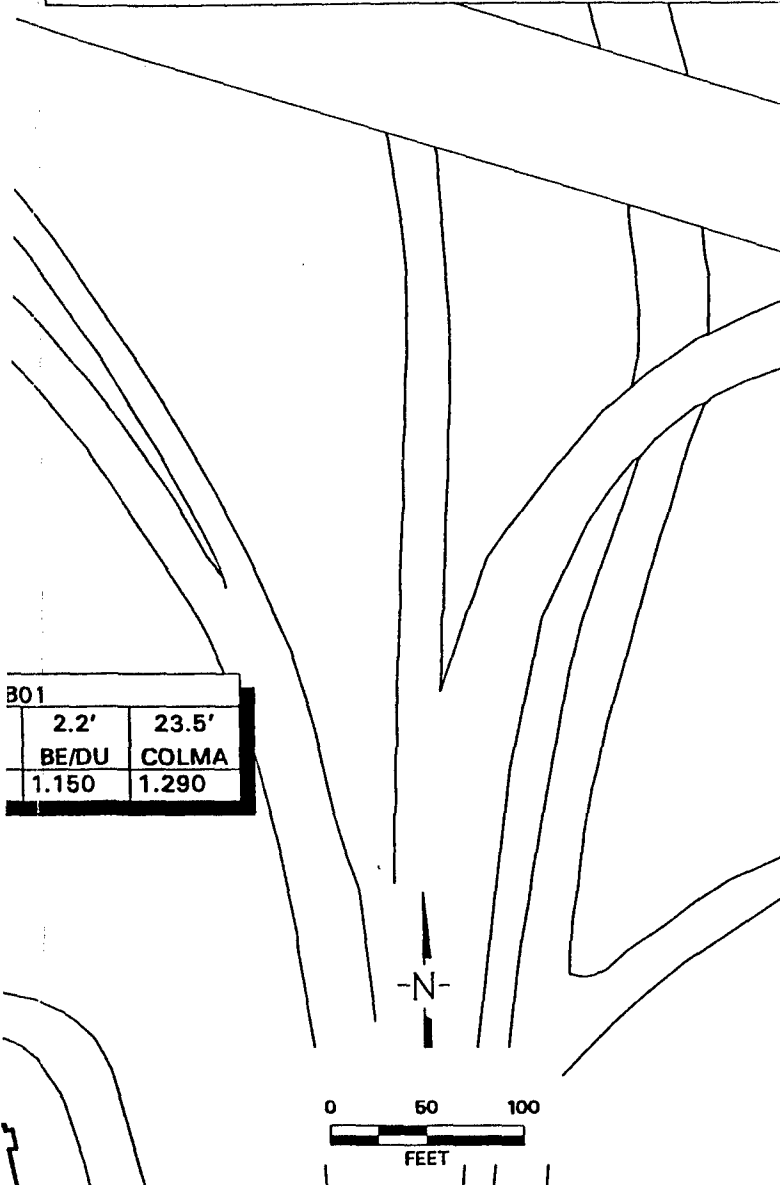


SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF BERYLLIUM IN SOIL**

PSF26464

Date: January 1997

Figure 13.5-4

HWSB04			
LITHOLOGY	0.5'	7.0'	22.0'
Cadmium	COLMA	SERP	BE/DU
	<0.515	3.130	<0.515

HWSB03			
LITHOLOGY	0.2'	2.2'	14.8'
Cadmium	COLMA	COLMA	COLMA
	<0.515	<0.515	<0.515

HWSB02			
LITHOLOGY	0.5'	13.0'	28.0'
Cadmium	COLMA	COLMA	SERP
	<0.515	<0.515	2.330

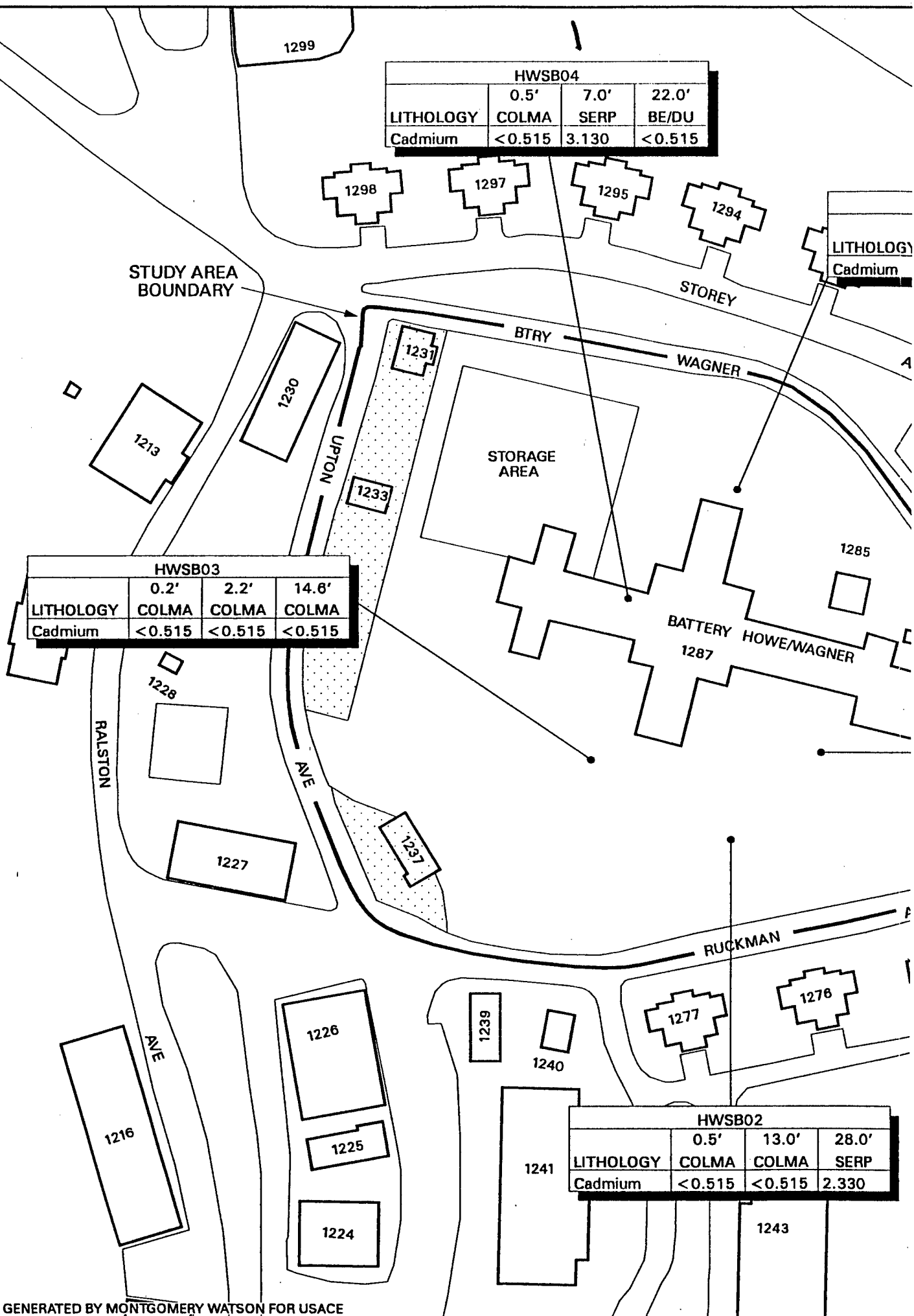


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

HWY
101

2

EXPLANAT

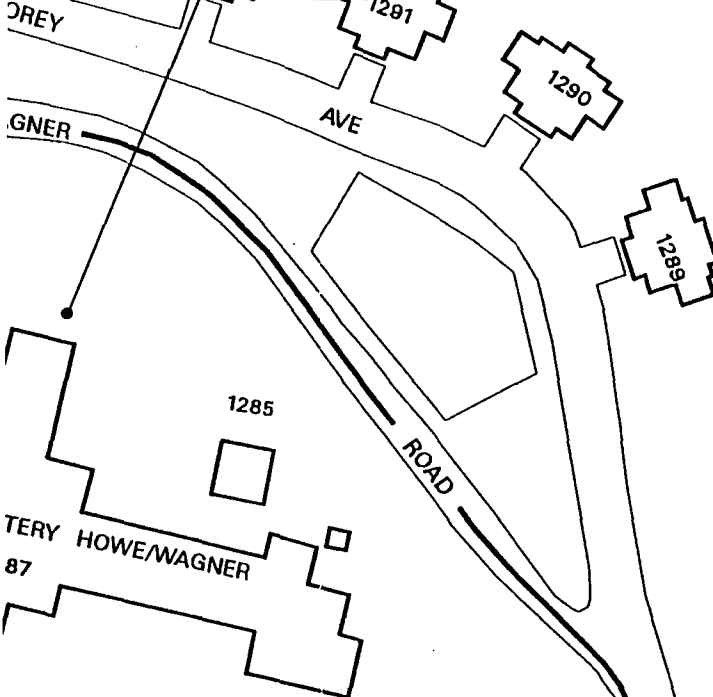
SOIL BORING



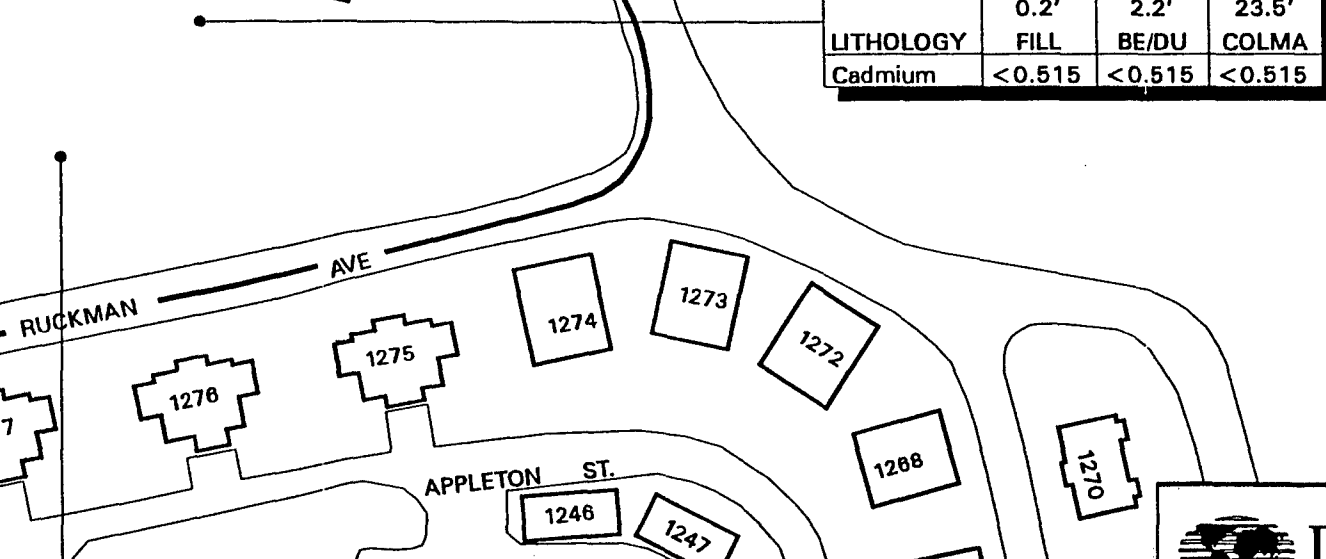
SURFACES COVERED
PAVEMENT OR BUILD

NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND I
ARE INCLUDED AT THE EN
SECTION.

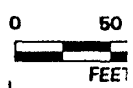
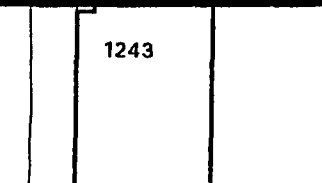
HWSB05			
LITHOLOGY	0.5'	2.0'	23.0'
Cadmium	1.820	<0.515	<0.515



HWSB01			
LITHOLOGY	0.2'	2.2'	23.5'
Cadmium	<0.515	<0.515	<0.515



HWSB02		
0.5'	13.0'	28.0'
COLMA	COLMA	SERP
<0.515	<0.515	2.330



BATTERY HOW
CONCENTRATIONS OF

PSF26473

Date: January 1997

EXPLANATION

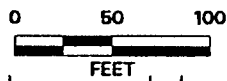
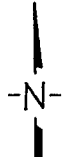
• SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

HWSB01		
0.2'	2.2'	23.5'
FILL	BE/DU	COLMA
0.515	<0.515	<0.515



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF CADMIUM IN SOIL**

PSF26473

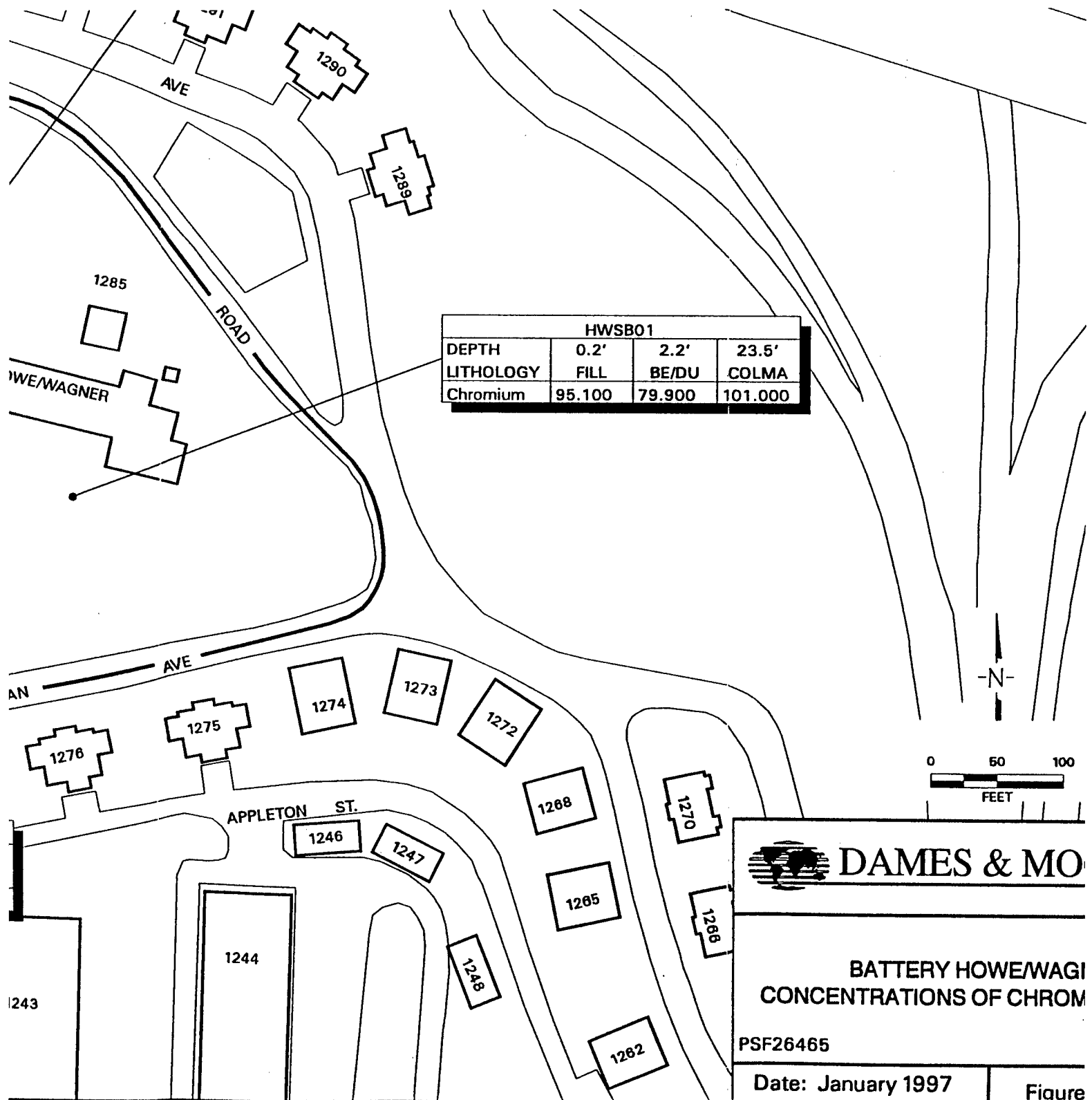
Date: January 1997

Figure 13.5-5

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Chromium	79.900	1300.000	40.600

HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Chromium	84.500	57.000	82.700

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Chromium	91.800	57.600	1580.000



EXPLANATION

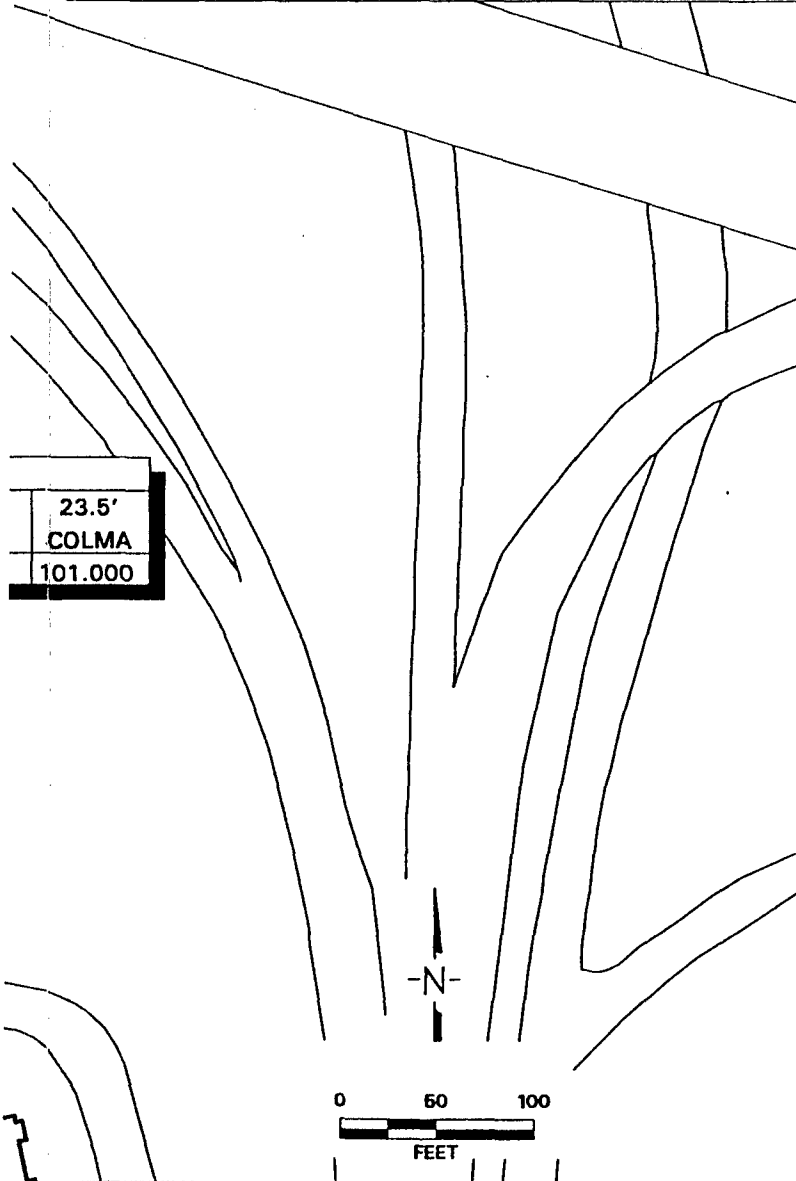


SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF CHROMIUM IN SOIL**

PSF26465

Date: January 1997

Figure 13.5-6

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Copper	18.100	31.400	6.390 f

DEPTH	
LITHOLOGY	
Copper	

HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Copper	18.000	18.300	19.400

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Copper	16.600	23.800	44.900

STUDY AREA
BOUNDARY

STORAGE
AREA

BATTERY
HOWE/WAGNER

HWY
101

2

EXPLANATION

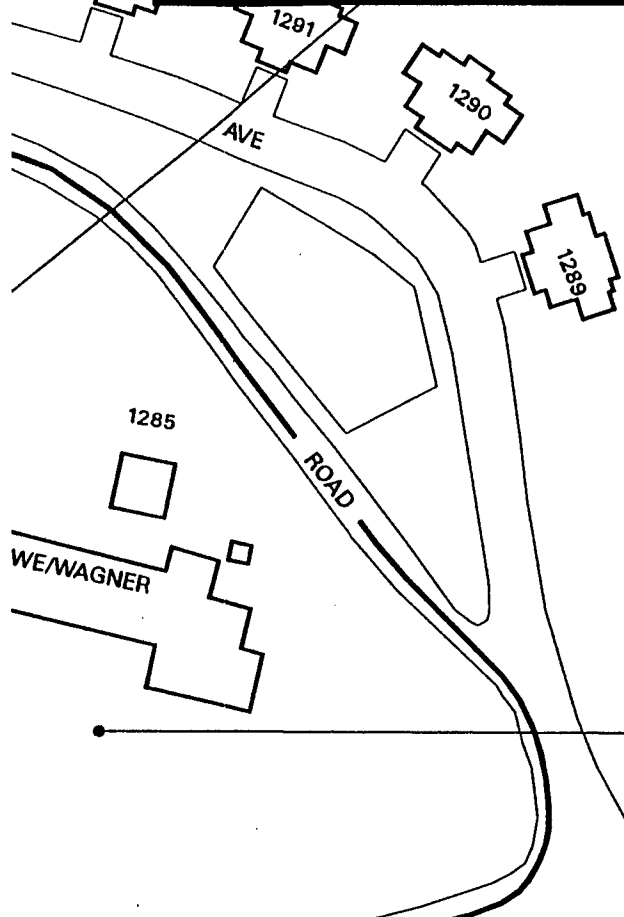
• SOIL BORING



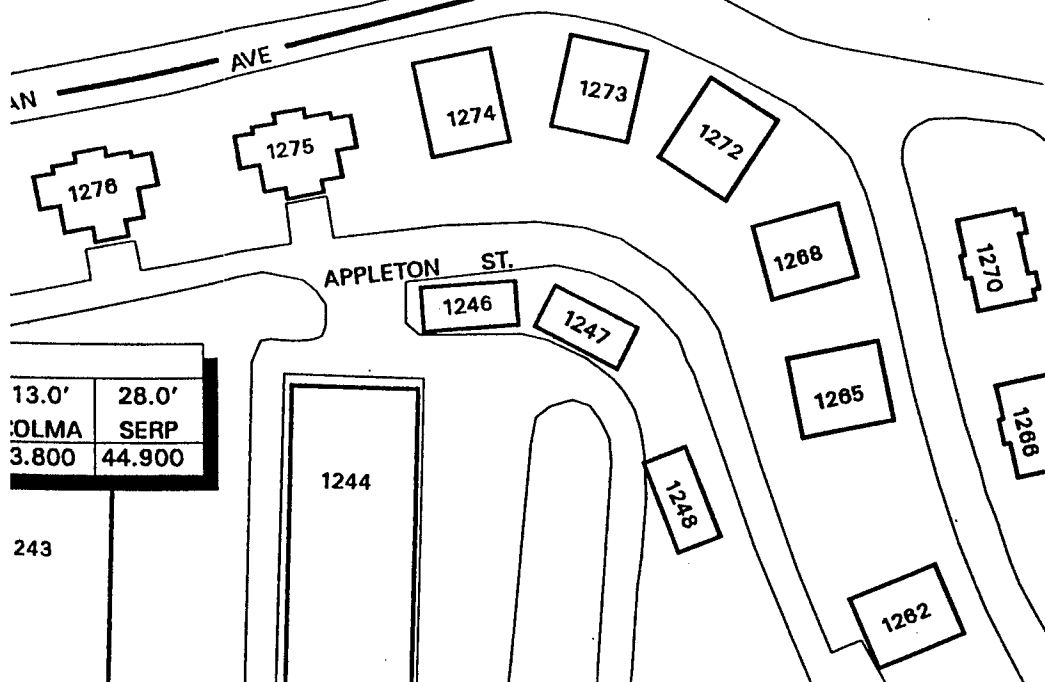
SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGICAL
ARE INCLUDED AT THE END OF THE
SECTION.

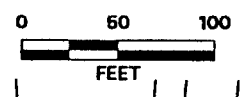
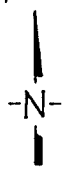
HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Copper	26.600	20.300	24.000



HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Copper	12.400	13.800	27.700



13.0'	28.0'
COLMA	SERP
3.800	44.900



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF COPPER

PSF26467

Date: January 1997

Figure

EXPLANATION



SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

01	
2.2'	23.5'
BE/DU	COLMA
13.800	27.700

-N-

0 50 100
FEET



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF COPPER IN SOIL**

PSF26467

Date: January 1997

Figure 13.5-7

1266

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Manganese	535.000	1140.000	97.400 f

DEPTH	
LITHOLOGY	
Manganese	

HWSB03			
DEPTH	0.2'	2.2'	14.8'
LITHOLOGY	COLMA	COLMA	COLMA
Manganese	335.000	245.000 f	374.000

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Manganese	348.000	226.000	612.000

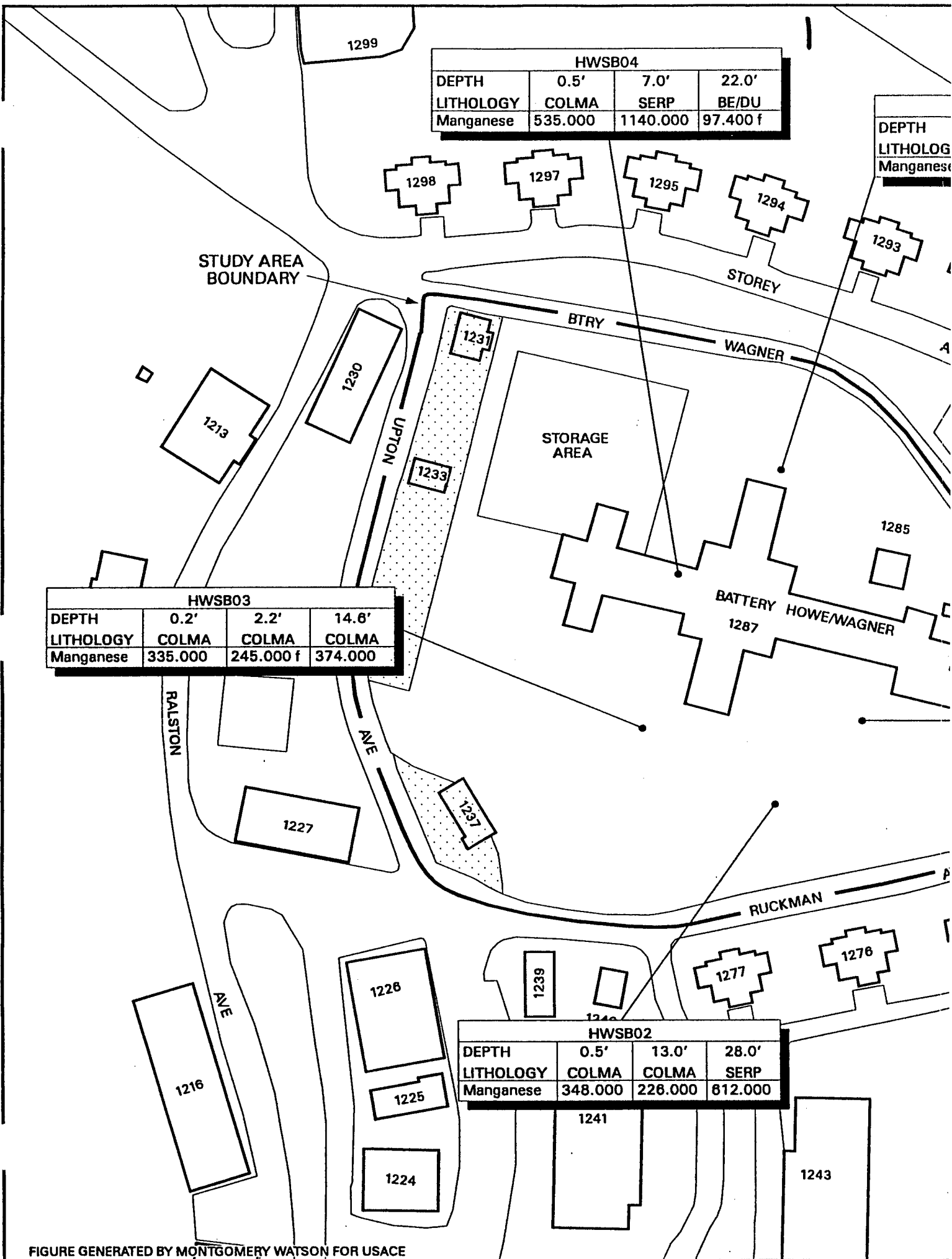



FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

22.0'
BE/DU
97.400 f

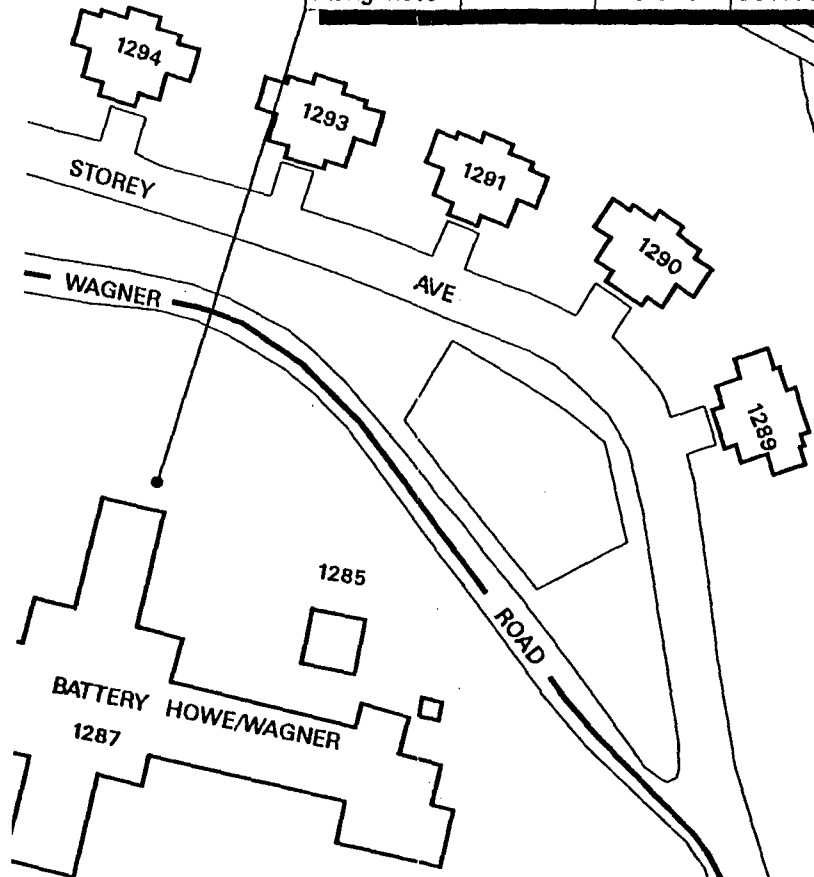
HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Manganese	1130.000	249.000 f	596.000

EXPL

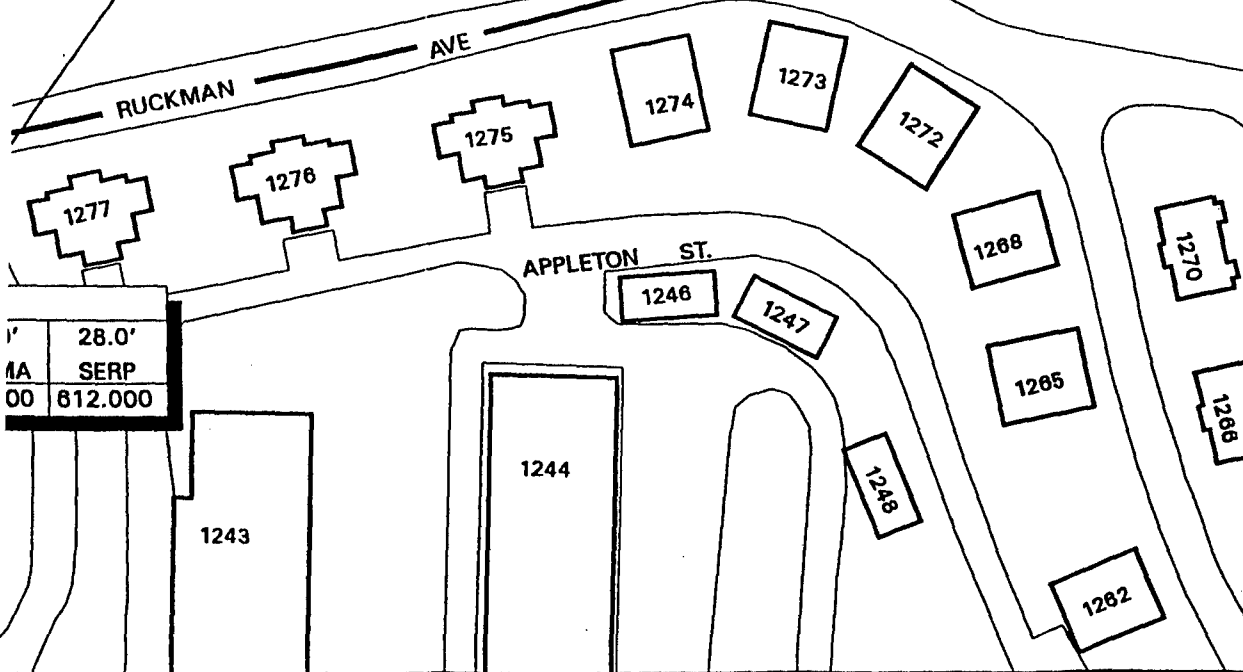
• SOIL BORING

 SURFACES CO' PAVEMENT OR


NOTE: 1. ALL CONCENTRA
2. DATA FOOTNOTE ARE INCLUDED AT SECTION.



HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Manganese	308.000	308.000	302.000



28.0'
MA SERP
00 812.000

 **DAME**

BATTERY CONCENTRATION

PSF26475

Date: January 199

EXPLANATION

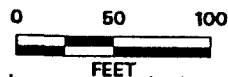
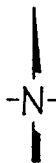
• SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

HWSB01			
	0.2'	2.2'	23.5'
BY	FILL	BE/DU	COLMA
ie	308.000	308.000	302.000



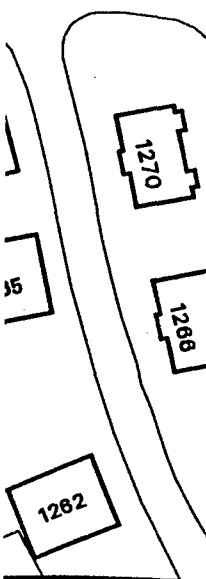
DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26475

Date: January 1997

Figure 13.5-8



HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Mercury	0.031	0.170	0.049

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Mercury	0.035	0.034	<0.027

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Mercury	<0.027	0.108	<0.027

DEPTH	
LITHOLOGY	
Mercury	

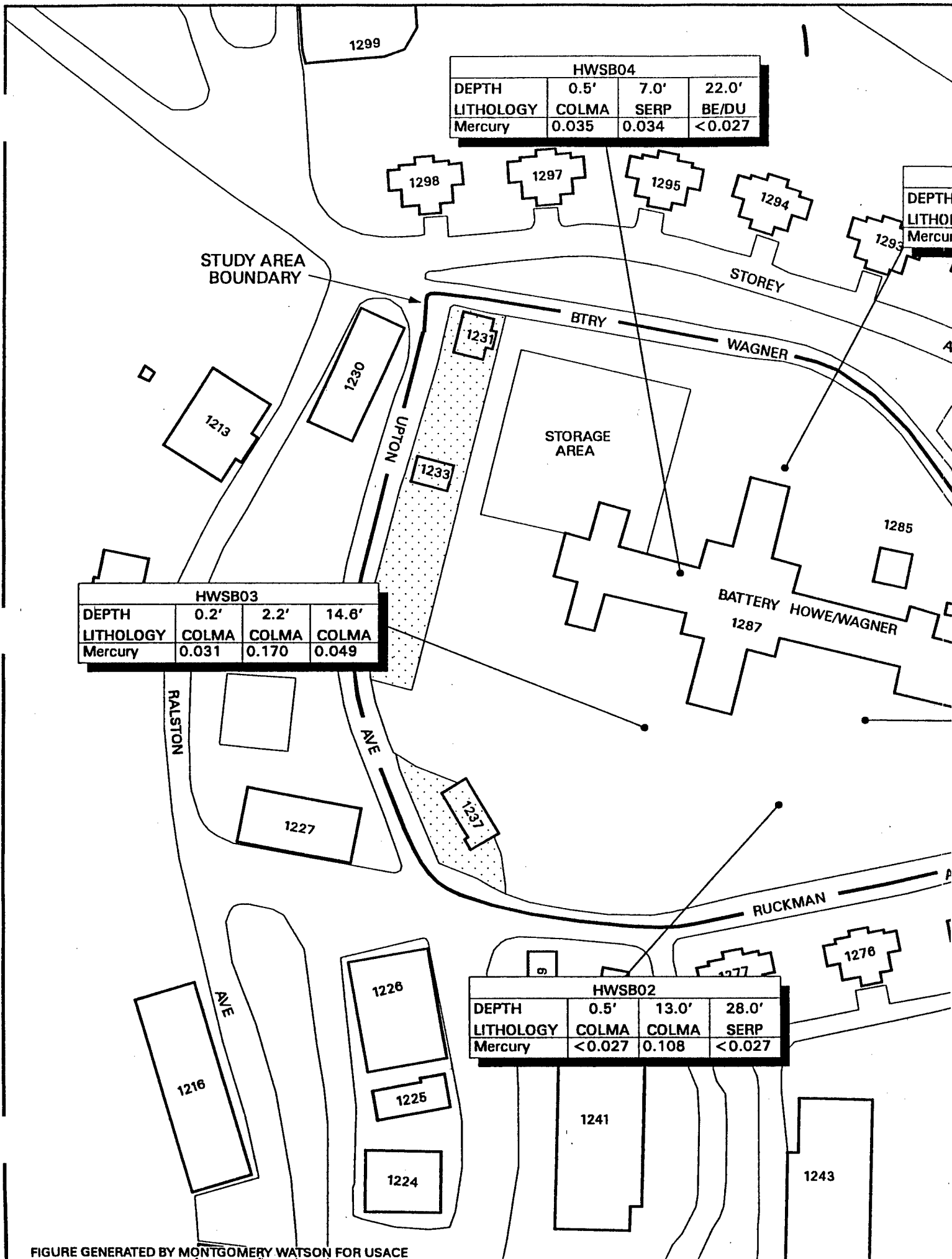



FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

HWY
101

2

EXPLANATION

- SOIL BORING
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPC
2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END OF
SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Mercury	0.042	0.042	0.057

1285



HOWE/WAGNER

AVE

ROAD

HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Mercury	<0.027	<0.027	0.106

MAN AVE

1275



1274



1273



1272



1268



1265



1270



1266



1262



APPLETON ST.

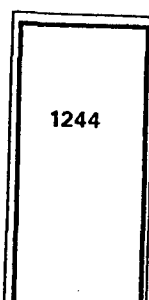
1246



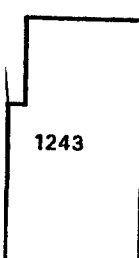
1247



1244



1243



0 50 100
FEET

N

 DAMES & MOORE

BATTERY HOWE/WA
CONCENTRATIONS OF MER

PSF26468

Date: January 1997

Fig

EXPLANATION

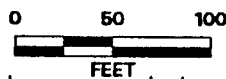
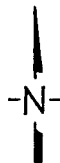
• SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

SB01		
	2.2'	23.5'
	BE/DU	COLMA
7	<0.027	0.106



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF MERCURY IN SOIL**

PSF26468

Date: January 1997

Figure 13.5-9

HWSB04			
DEPTH	0.5'	7.0'	22.0'
LITHOLOGY	COLMA	SERP	BE/DU
Nickel	55.400	2310.000	21.800

HWSB03			
DEPTH	0.2'	2.2'	14.6'
LITHOLOGY	COLMA	COLMA	COLMA
Nickel	91.300	48.500	41.300

HWSB02			
DEPTH	0.5'	13.0'	28.0'
LITHOLOGY	COLMA	COLMA	SERP
Nickel	79.700	51.000	2040.000

STUDY AREA
BOUNDARY

STOREY

BTRY

WAGNER

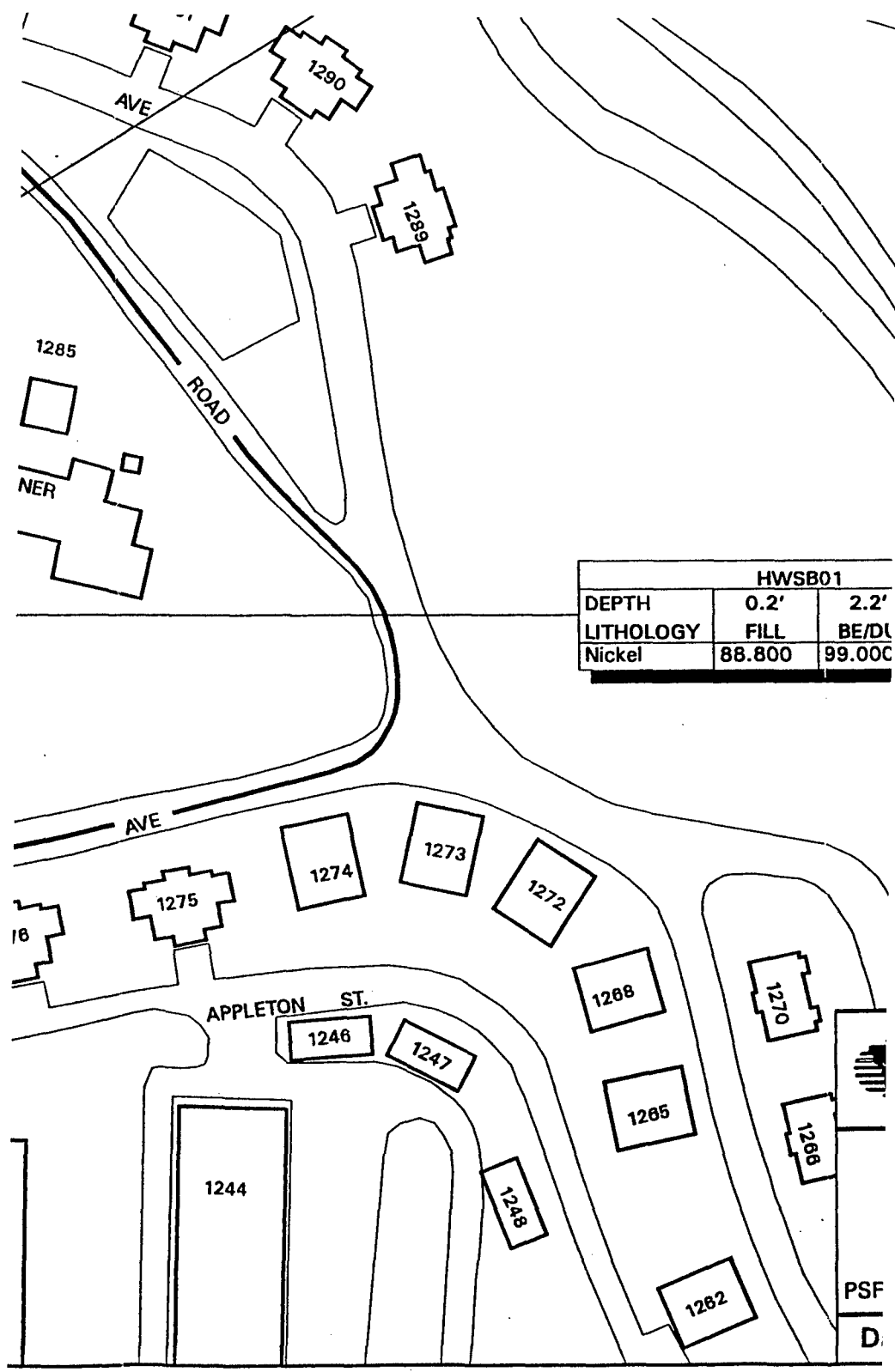
STORAGE
AREA

BATTERY HOWE/WAGNER
1287

RUCKMAN

RALSTON
AVE

UPTON
AVE



HWSB01		
DEPTH	0.2'	2.2'
LITHOLOGY	FILL	BE/DL
Nickel	88.800	99.000

EXPLANATION

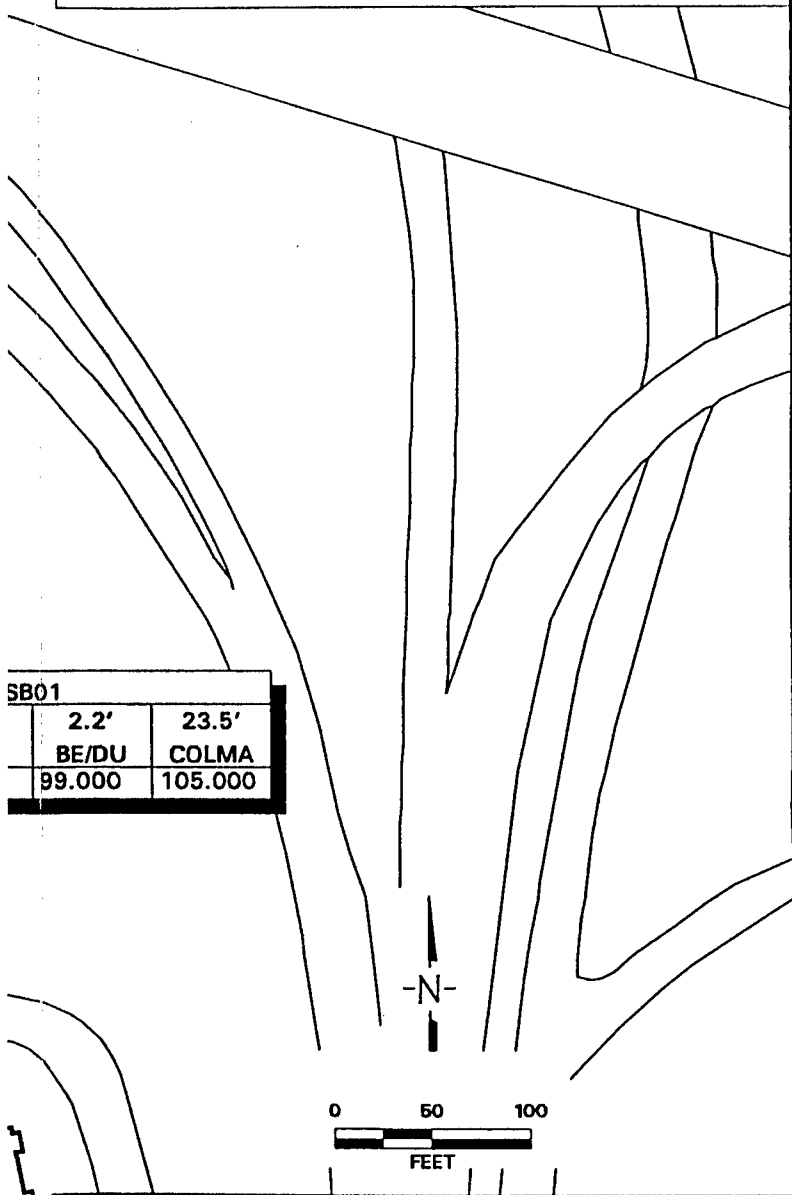


SOIL BORING



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.



DAMES & MOORE

BATTERY HOWE/WAGNER
CONCENTRATIONS OF NICKEL IN SOIL

PSF26469

Date: January 1997

Figure 13.5-10

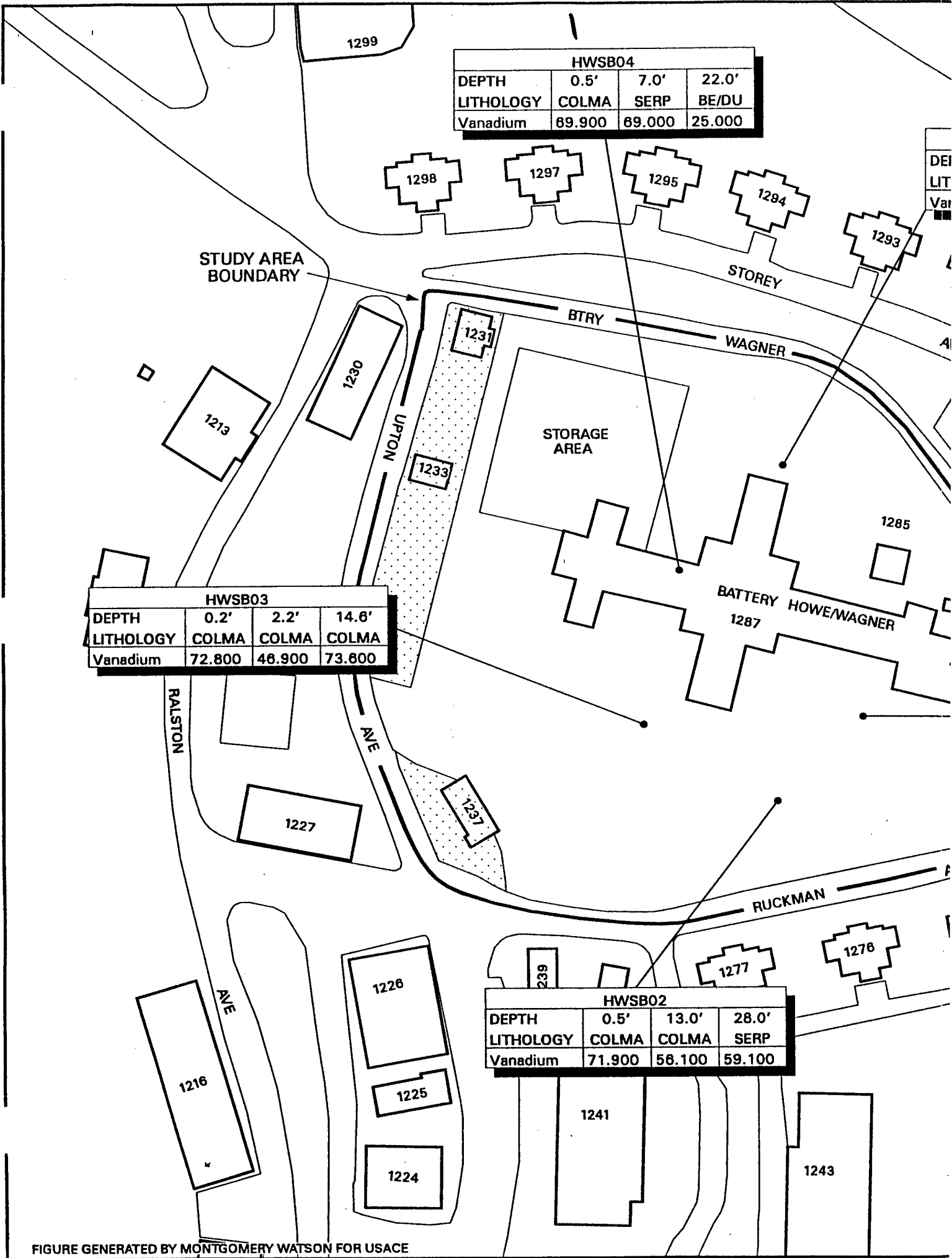


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

HWY
101

2

EXPLANATION

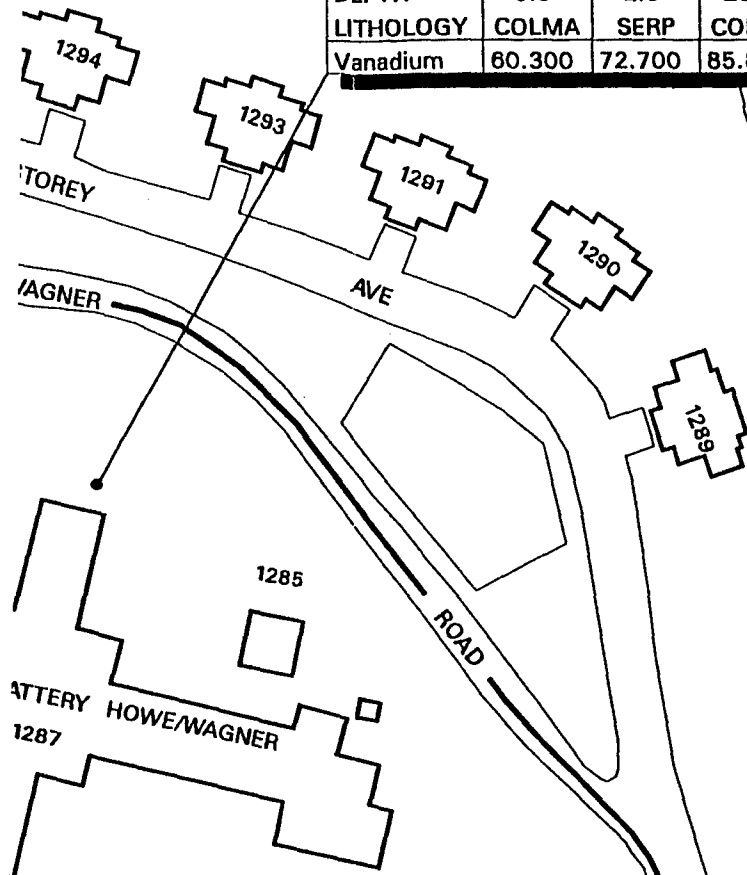
• SOIL BORING



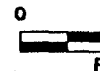
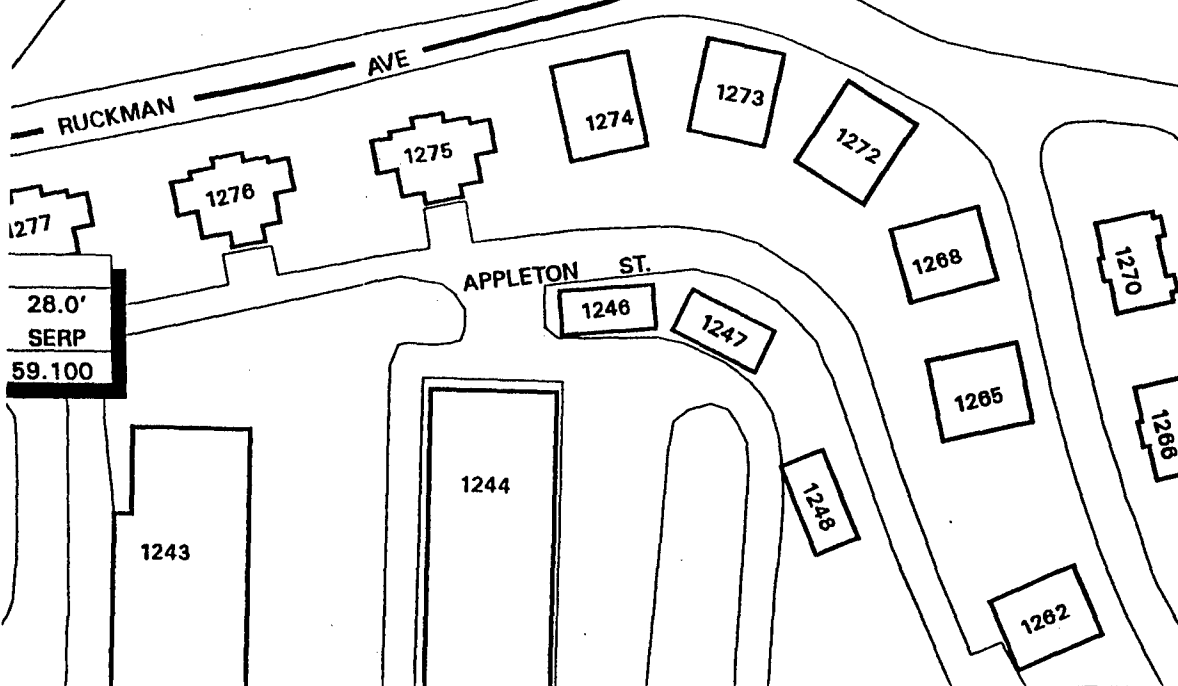
SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTES AND
ARE INCLUDED AT THE END
SECTION.

HWSB05			
DEPTH	0.5'	2.0'	23.0'
LITHOLOGY	COLMA	SERP	COLMA
Vanadium	60.300	72.700	85.800



HWSB01			
DEPTH	0.2'	2.2'	23.5'
LITHOLOGY	FILL	BE/DU	COLMA
Vanadium	74.200	60.400	80.000



DAMES

**BATTERY HOWE
CONCENTRATIONS**

PSF26472

Date: January 1997

EXPLANATION

SOIL BORING

SURFACES COVERED BY
PAVEMENT OR BUILDINGSNOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

SB01

	2.2'	23.5'
	BE/DU	COLMA
0	80.400	80.000

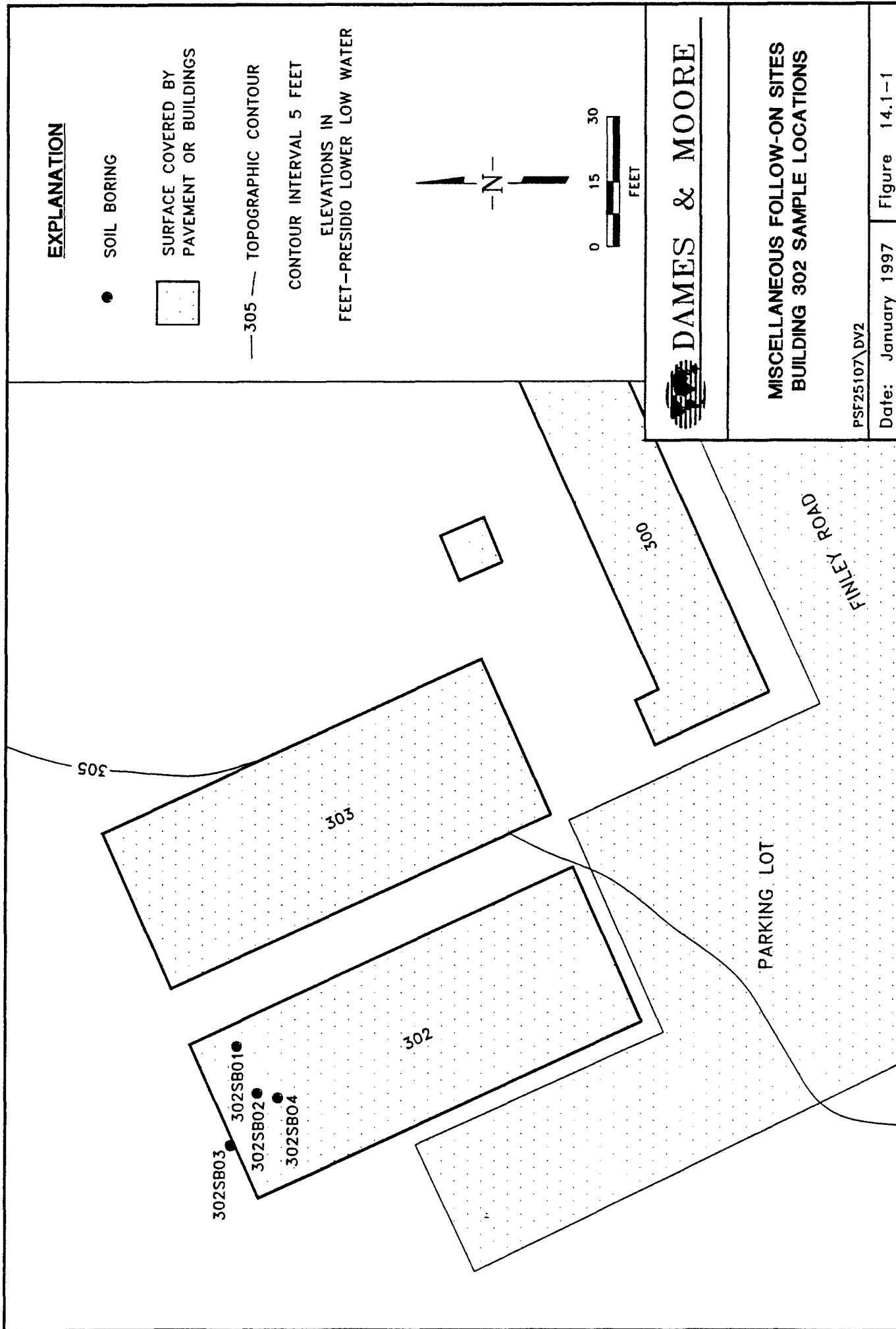
-N-

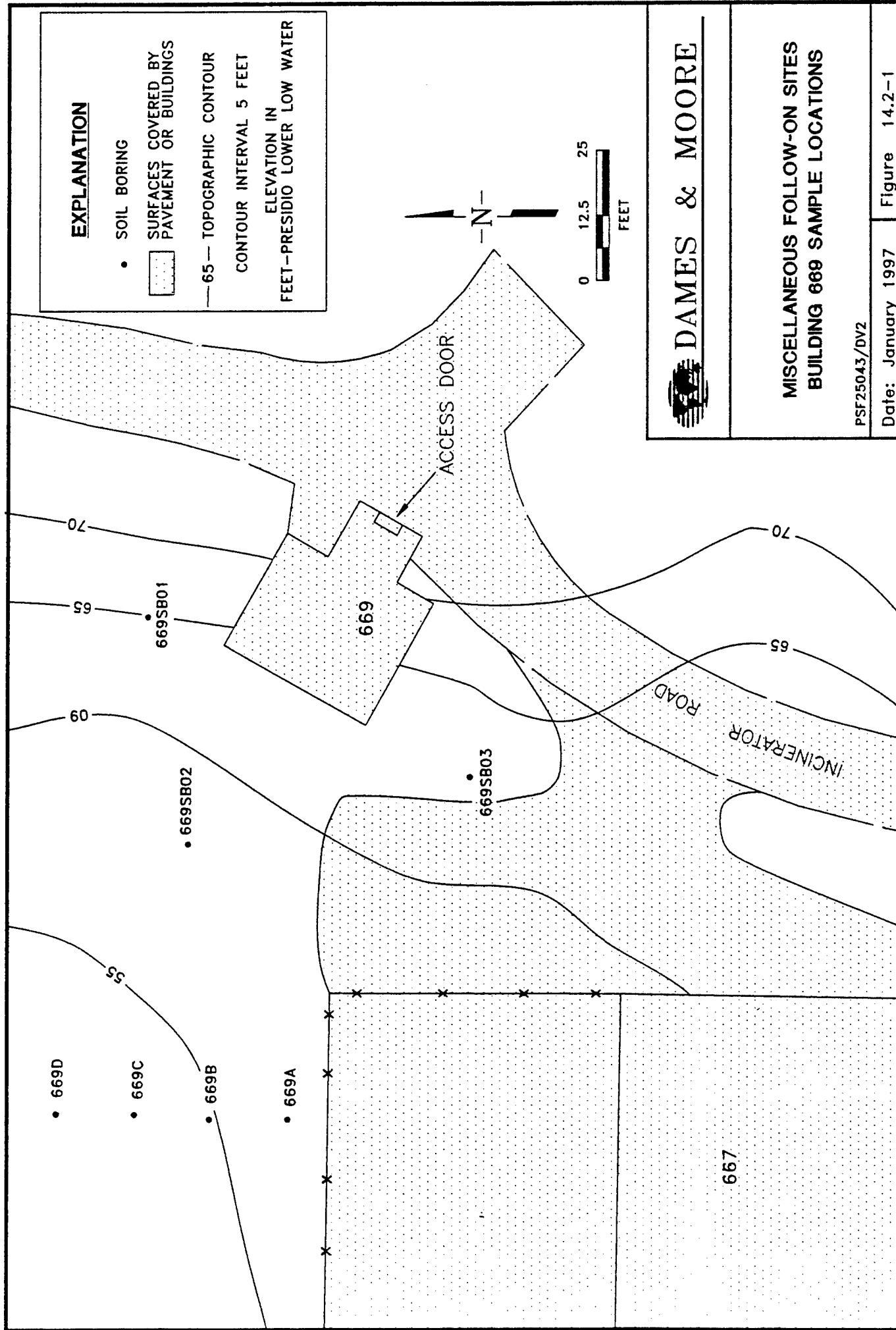
0 50 100
FEET**DAMES & MOORE****BATTERY HOWE/WAGNER
CONCENTRATIONS OF VANADIUM IN SOIL**

PSF26472

Date: January 1997

Figure 13.5-11





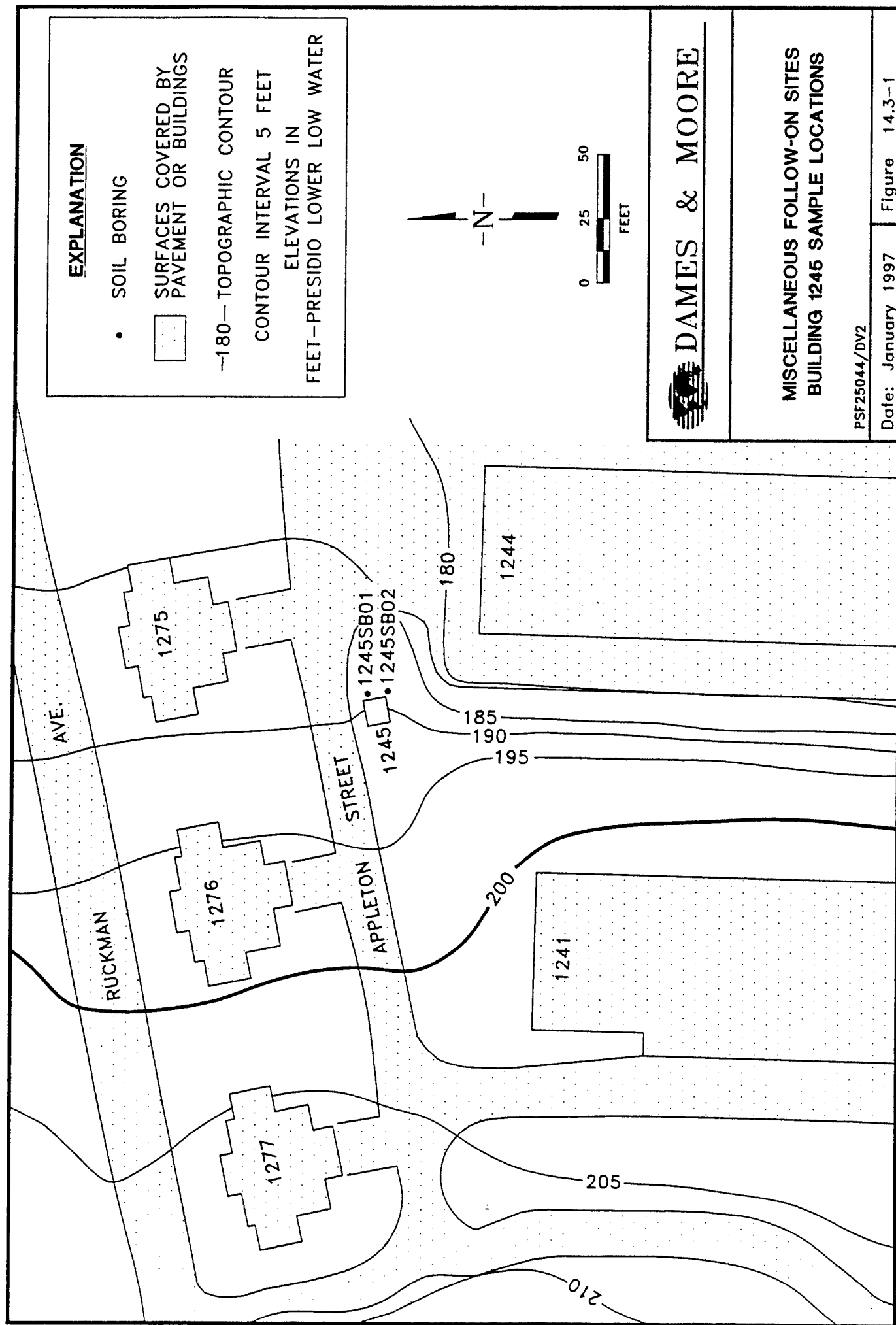
DAMES & MOORE

**MISCELLANEOUS FOLLOW-ON SITES
BUILDING 669 SAMPLE LOCATIONS**

PSF25043/DV2

Date: January 1997

Figure 14.2-1



EXPLANATION

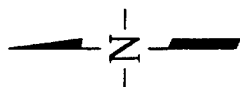
- SOIL BORING

■ SURFACES COVERED BY
PAVEMENT OR BUILDINGS

—180— TOPOGRAPHIC CONTOUR

CONTOUR INTERVAL 5 FEET
ELEVATIONS IN

FEET—PRESIDIO LOWER LOW WATER



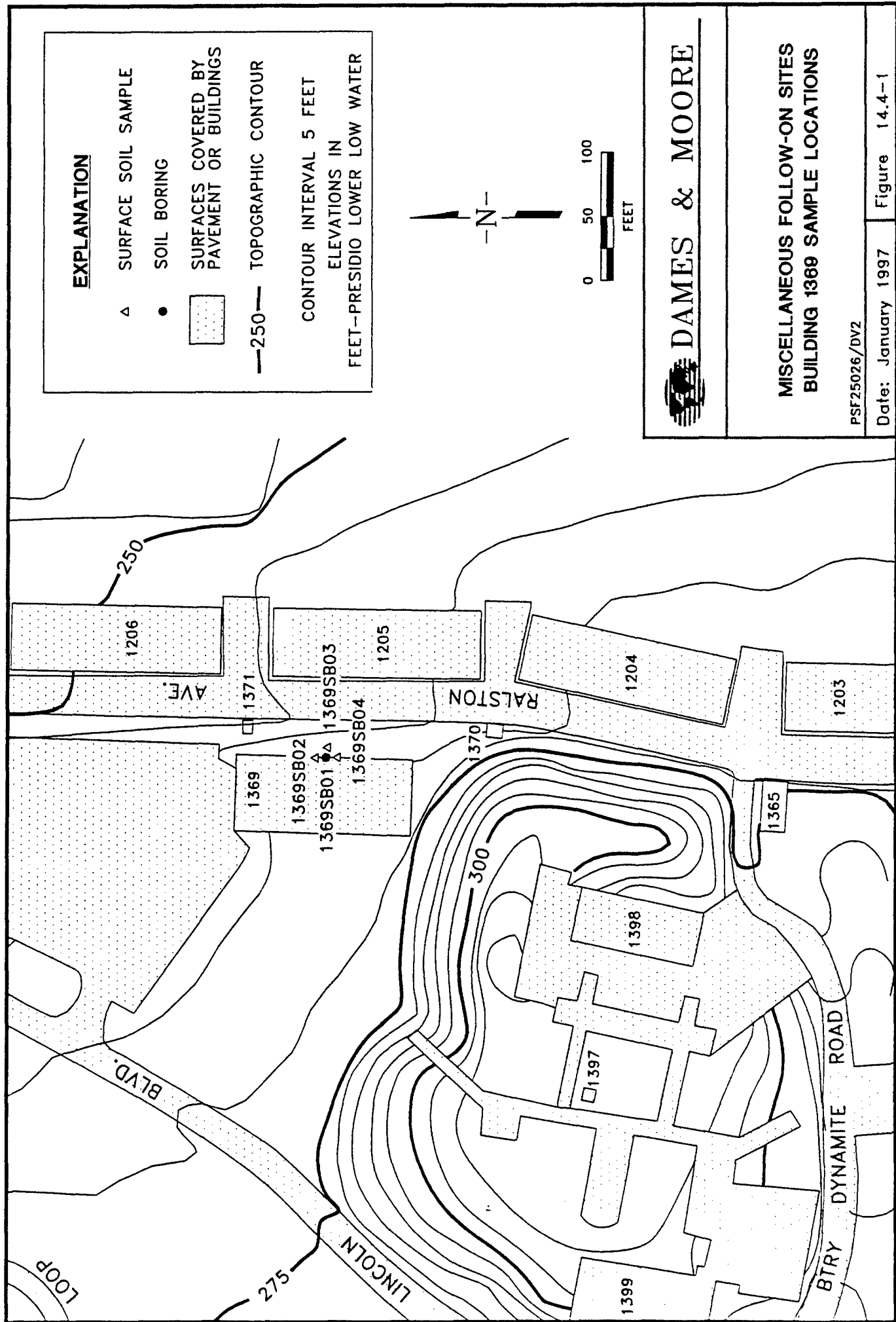
DAMES & MOORE

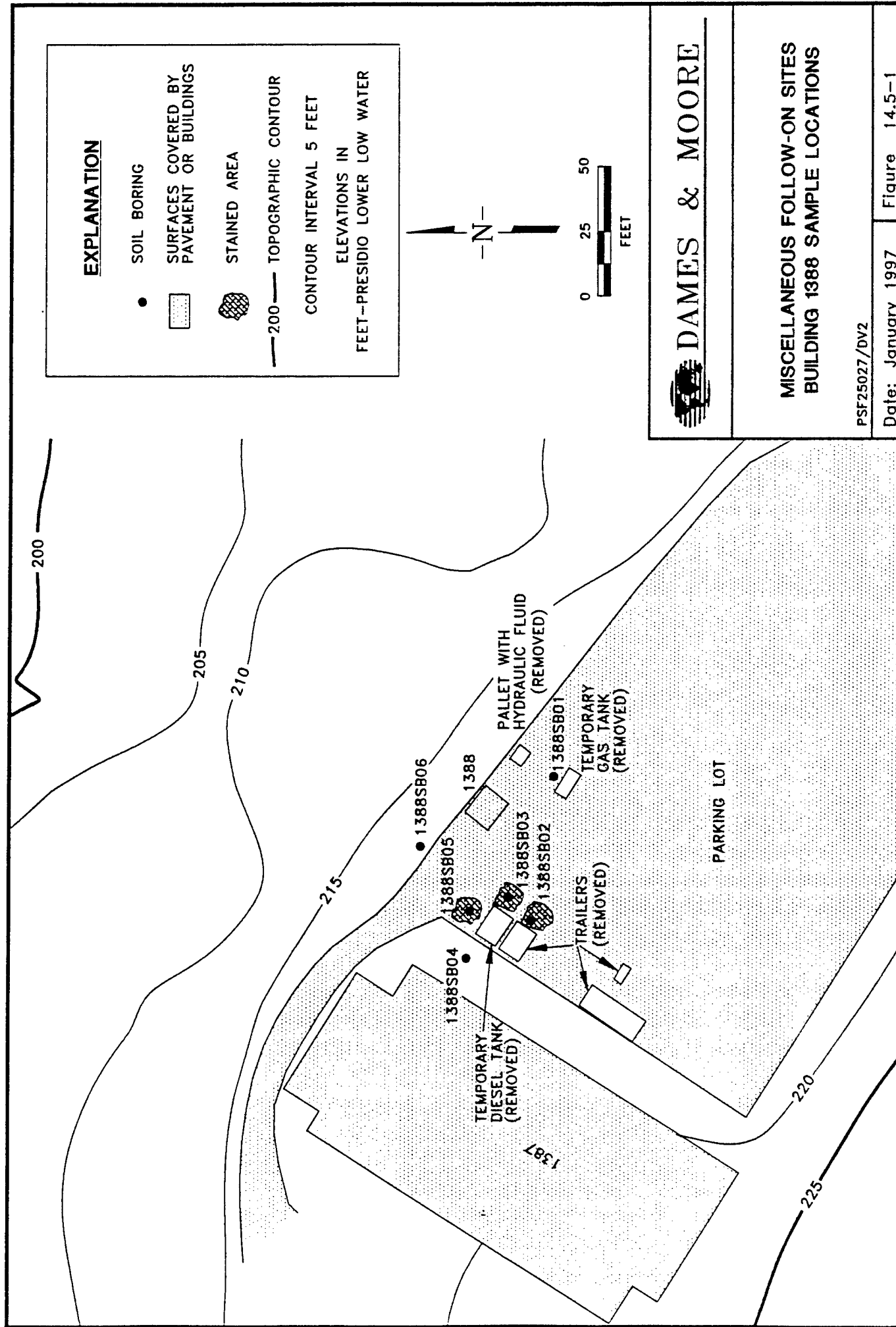
**MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1245 SAMPLE LOCATIONS**

PSF25044/DV2

Date: January 1997

Figure 14.3-1





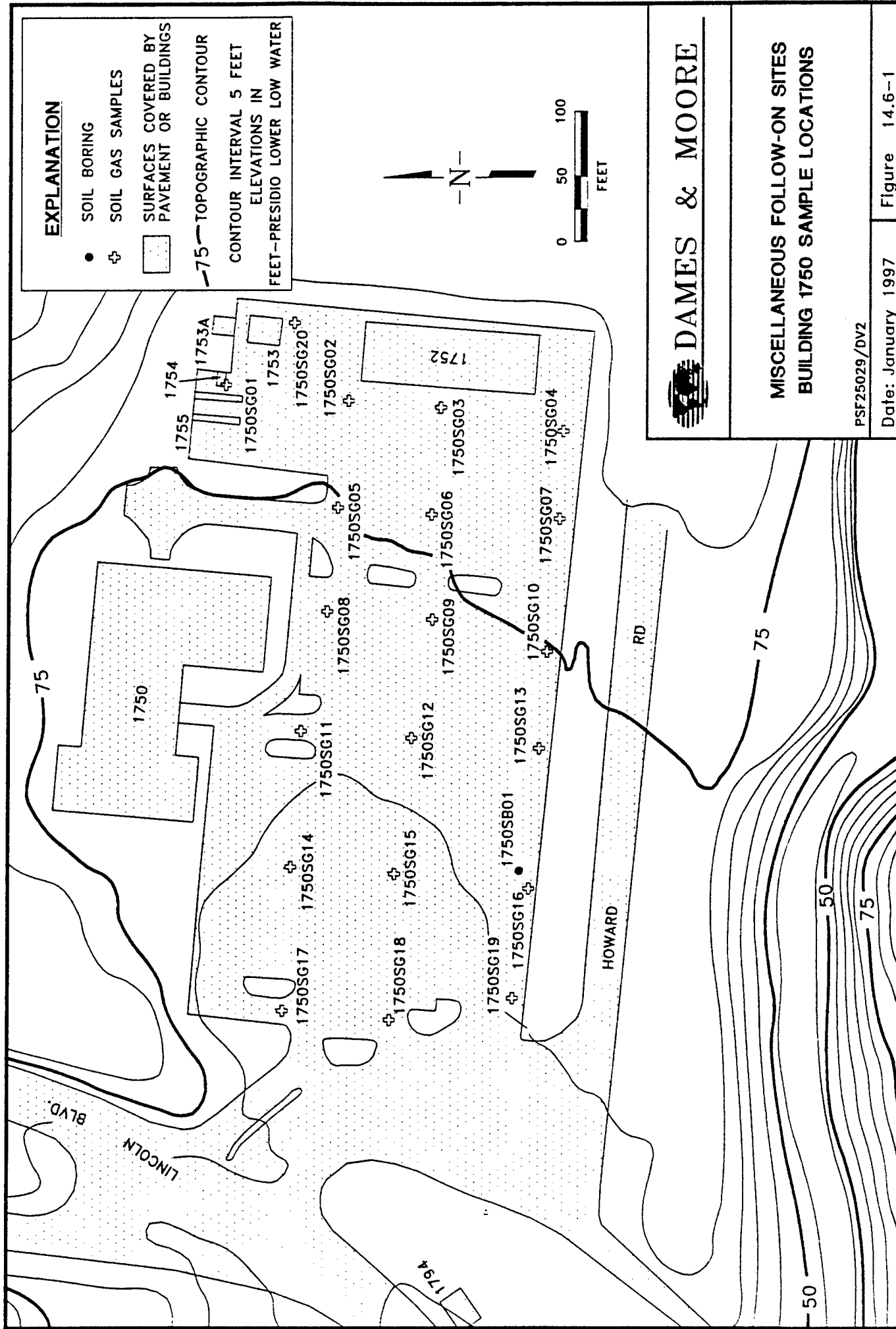
DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1388 SAMPLE LOCATIONS

PSF25027/DV2

Date: January 1997

Figure 14.5-1



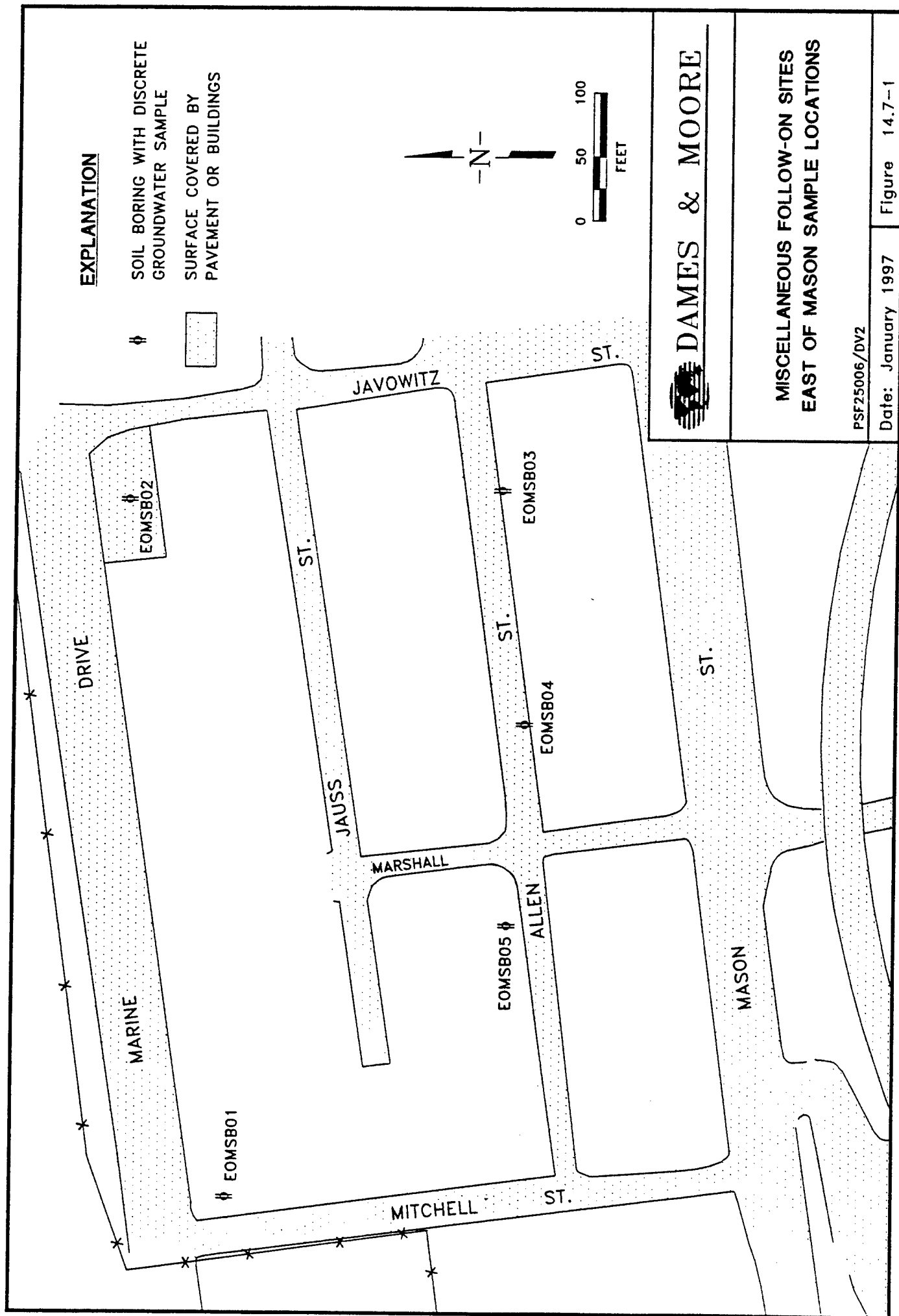
DAMES & MOORE

**MISCELLANEOUS FOLLOW-ON SITES
BUILDING 1750 SAMPLE LOCATIONS**

PSF25029/DV2

Date: January 1997

Figure 14.6-1



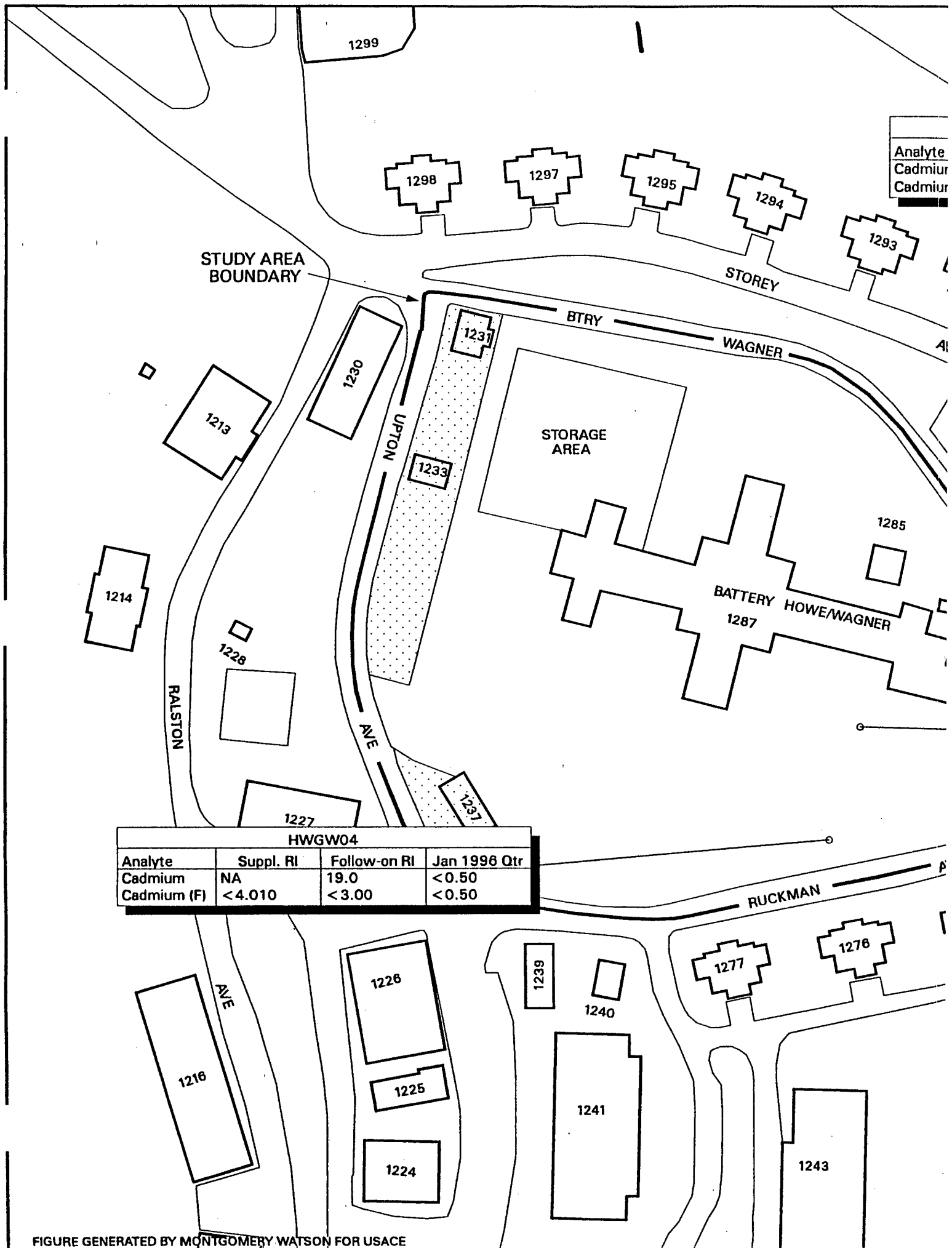
DAMES & MOORE

**MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON SAMPLE LOCATIONS**

PSF25006/DV2

Date: January 1997

Figure 14.7-1



2

HWY
101

HWGW01

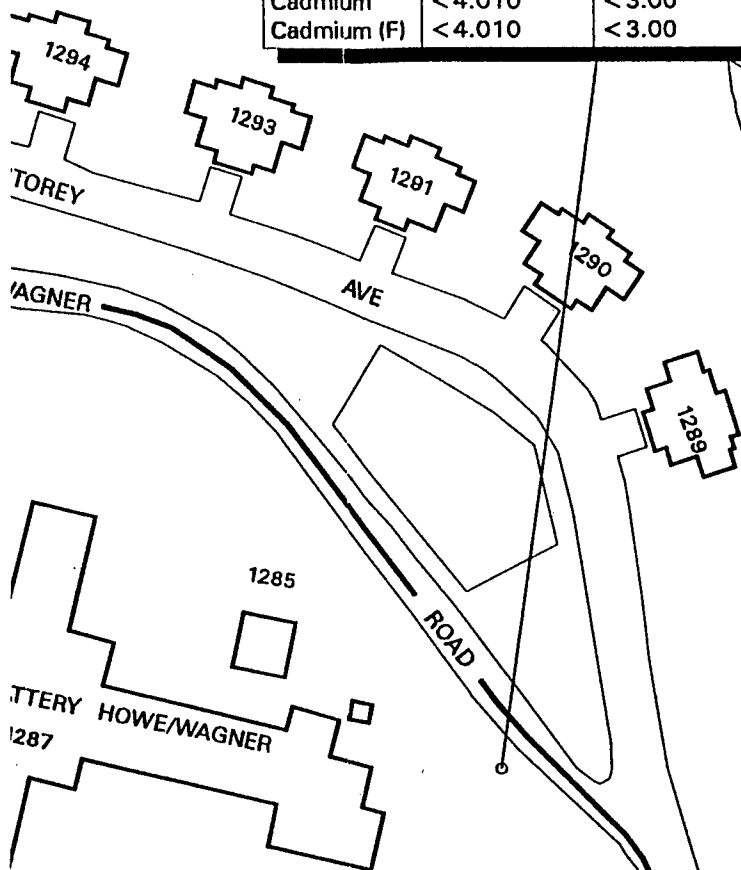
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	<4.010	<3.00	<0.50
Cadmium (F)	<4.010	<3.00	<0.50

EXPLAN

MONITORING WELL

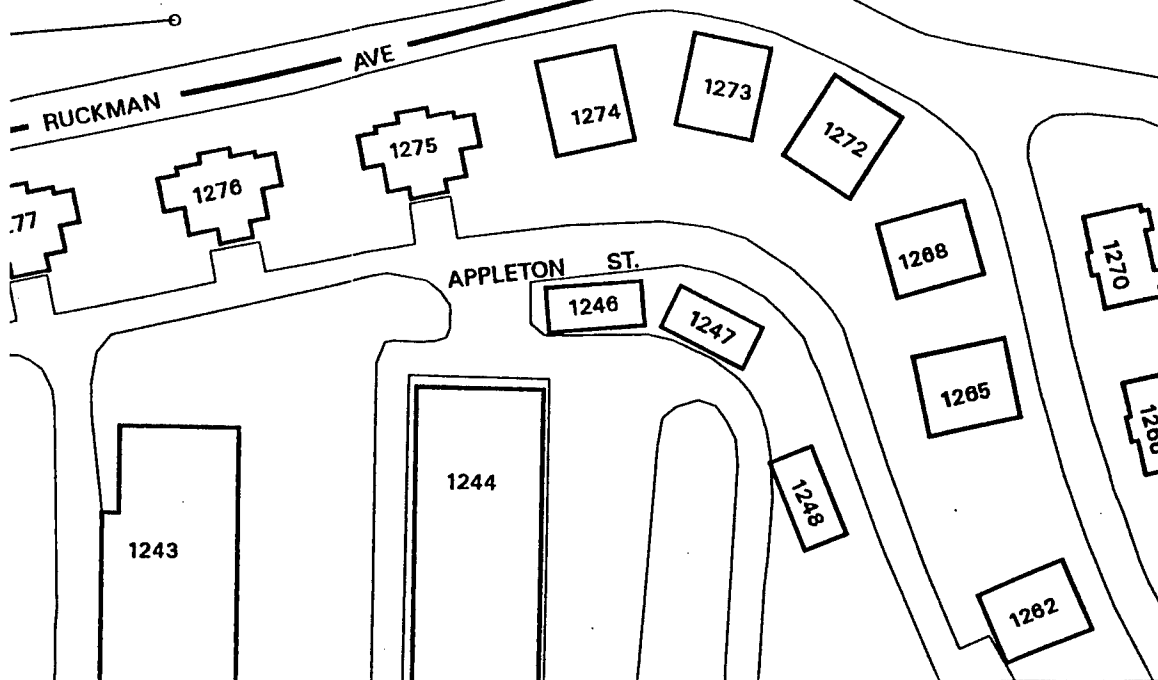
SURFACES COVERED BY
PAVEMENT OR BUILT-UP

- NOTE: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTE AND
ARE INCLUDED AT THE END
SECTION.
3. (F) INDICATES FILTERED
4. NA = NOT ANALYZED



HWGW05

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Cadmium	<4.010	<3.00	<0.50
Cadmium (F)	<4.010	<3.00	<0.50



N

0 50
FEET

DAMES & MOORE

BATTERY HOV
CONCENTRATIONS OF CADMIUM

PSF26474

Date: January 1997

3

EXPLANATION



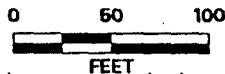
MONITORING WELL



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

- NOTE:**
1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
 2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
 3. (F) INDICATES FILTERED SAMPLE.
 4. NA = NOT ANALYZED

HWGW05		
uppl. RI	Follow-on RI	Jan 1996 Qtr
010	<3.00	<0.50
010	<3.00	<0.50



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF CADMIUM IN GROUNDWATER**

PSF26474

Date: January 1997

Figure 13.5-12

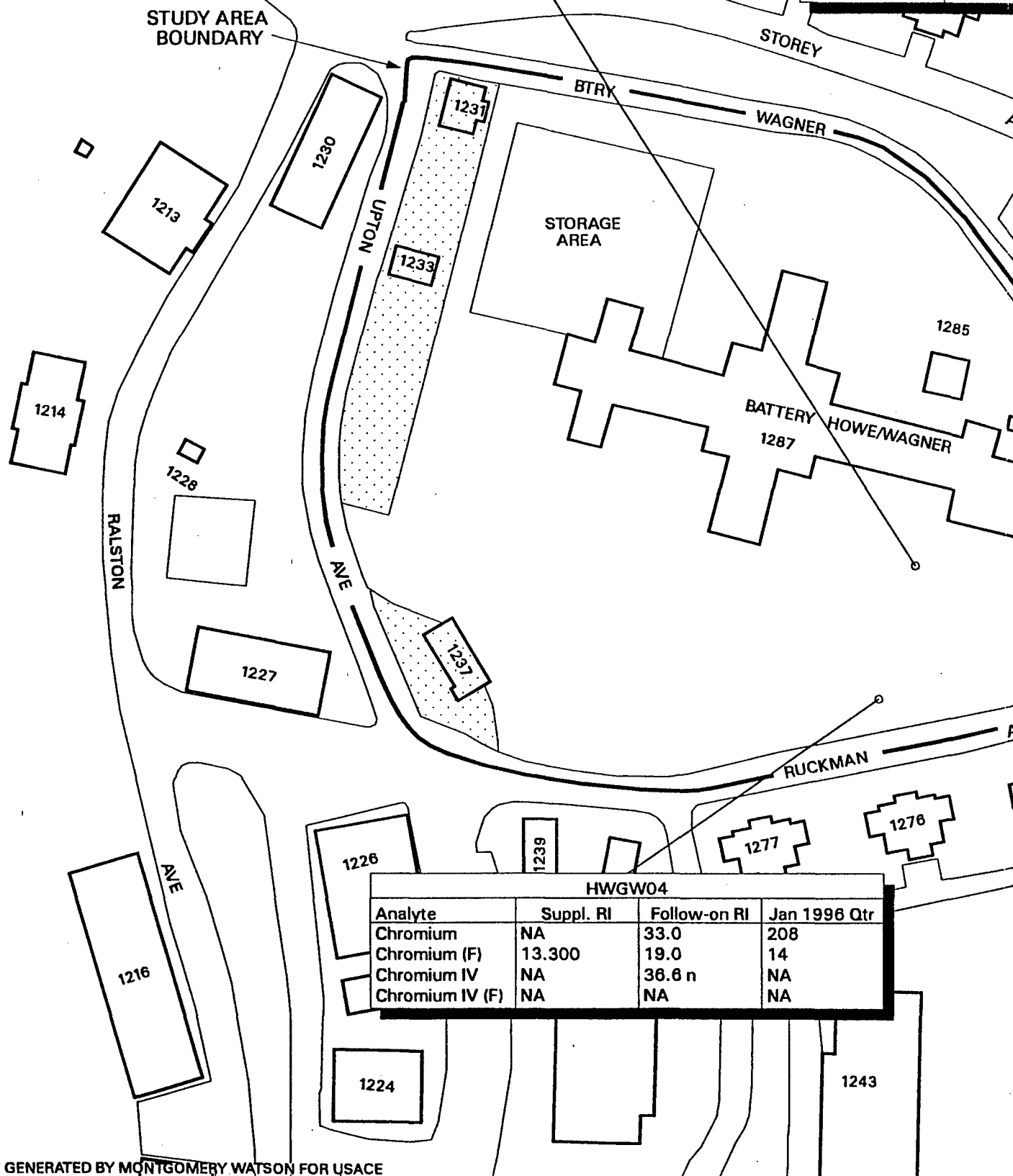
1282

1286

1270

HWGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	54.700	27.0	2
Chromium (F)	18.900	< 5.00	2
Chromium IV	NA	16.1 n	NA
Chromium IV (F)	NA	NA	NA

Analyte	Suppl.
Chromium	144.000
Chromium (F)	111.000
Chromium IV	NA
Chromium IV (F)	NA



HWGW04			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	NA	33.0	208
Chromium (F)	13.300	19.0	14
Chromium IV	NA	36.6 n	NA
Chromium IV (F)	NA	NA	NA

HWY
101

2

EXPLANATION



DISCRETE GROUNDWATER
MONITORING WELL



SURFACES COVERED
PAVEMENT OR BUILD

- NOTES: 1. ALL CONCENTRATIONS IN
2. DATA FOOTNOTE AND LI
ARE INCLUDED AT THE END
SECTION.
3. (F) INDICATES FILTERED
4. NA = NOT ANALYZED

HWGW01

Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Chromium	144.000	150	128
Chromium (F)	111.000	121	128
Chromium IV	NA	181	NA
Chromium IV (F)	NA	181	NA

HWSB14

PROGRAM	Follow-on RI
DEPTH	24.0'
Chromium	< 10
Chromium (F)	710
Chromium IV	60
Chromium IV (F)	< 10

HWSB18

PROGRAM	Follow-on RI	Follow-on RI
DEPTH	20.0'	24.0'
Chromium	50	510
Chromium (F)	20	30
Chromium IV	< 10	< 10
Chromium IV (F)	30	30

HWSB17

PROGRAM	Follow-on RI
DEPTH	28.0'
Chromium	1100
Chromium (F)	< 10
Chromium IV	< 10
Chromium IV (F)	< 10

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UCKMAN

n 1996 Qtr
B

APPLETON ST.

N

0 50
FEET

 DAMES & MOORE

BATTERY HOWE/
CONCENTRATIONS OF CHROMIUM

PSF26466

Date: January 1997

3

EXPLANATION



DISCRETE GROUNDWATER SAMPLE
MONITORING WELL



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

14

Follow-on RI
24.0'

< 10
710
60
< 10

HWSB18

Follow-on RI
20.0'

Follow-on RI
24.0'

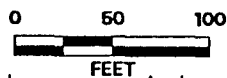
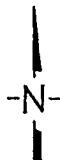
50
20
< 10
30

510
30
< 10
30

17

Follow-on RI
28.0'

1100
< 10
< 10
< 10



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER**

PSF26466

Date: January 1997

Figure 13.5-13

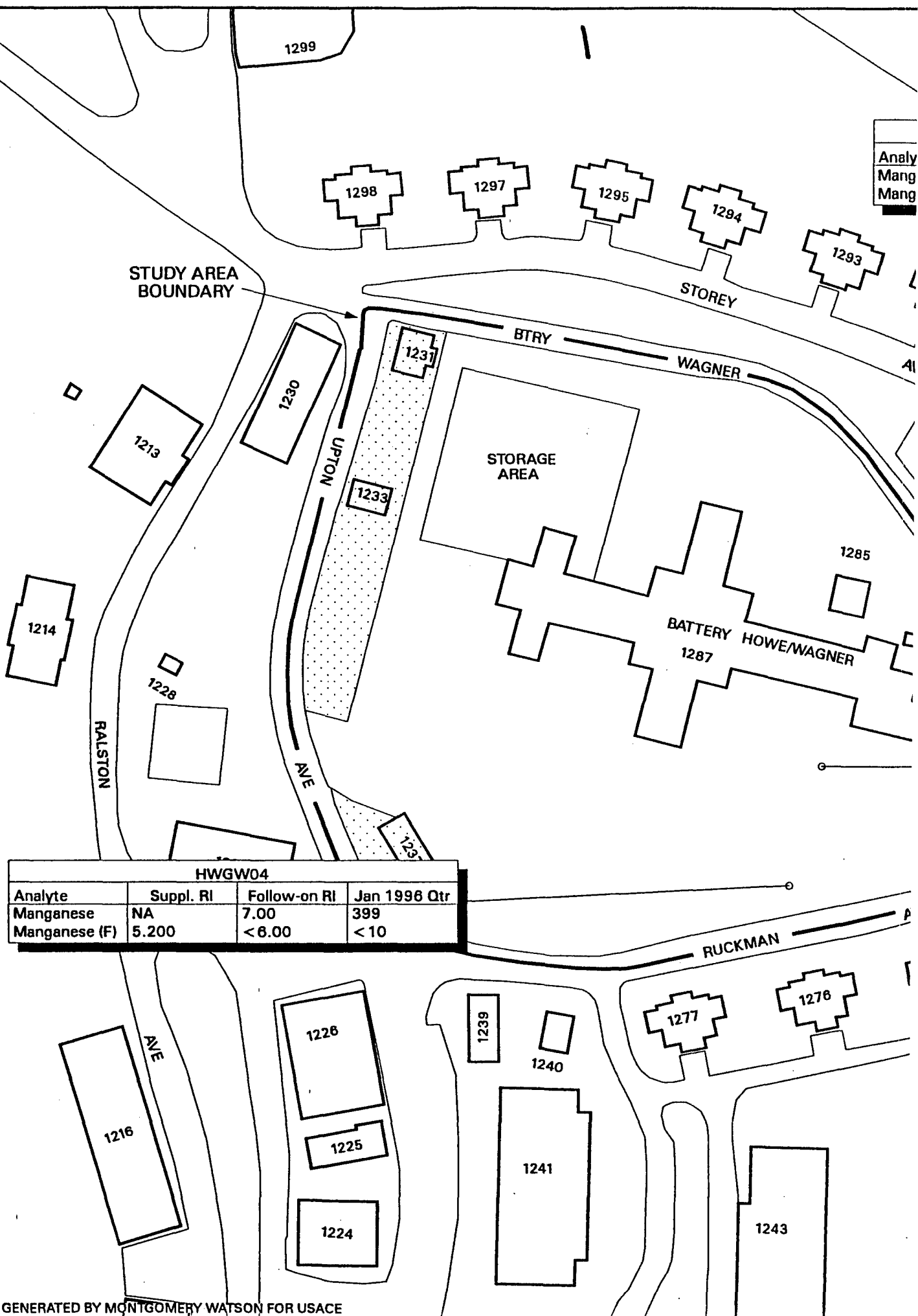


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

HWGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	126.000	11.0	< 10
Manganese (F)	12.700	< 6.00	< 10

2

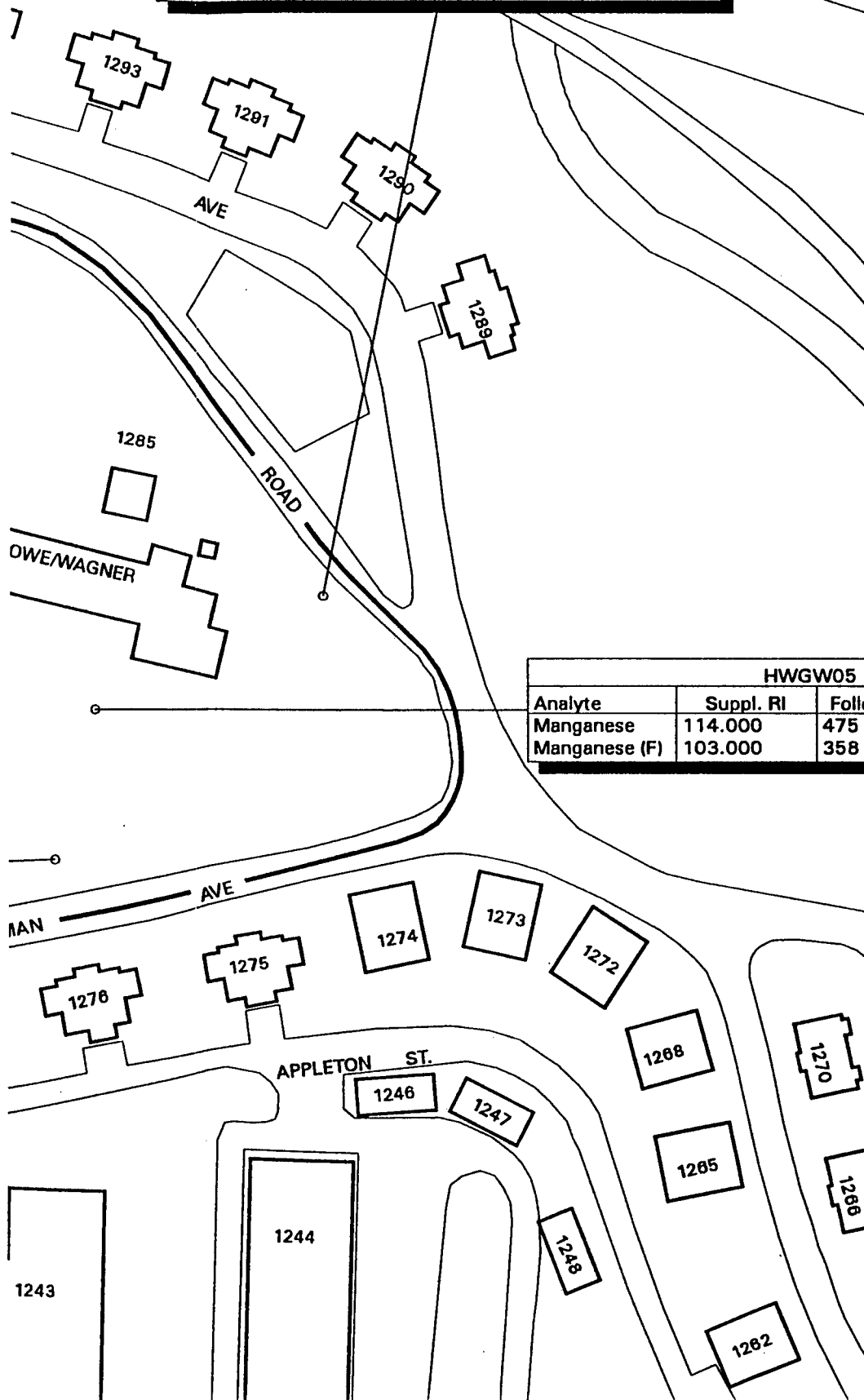
EXPLANATION

○ MONITORING WELL

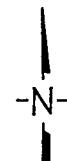


SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTE: 1. ALL CONCENTRATIONS REPORT
2. DATA FOOTNOTE AND LITHOLO ARE INCLUDED AT THE END OF TI SECTION.
3. (F) INDICATES FILTERED SAMPL
4. NA = NOT ANALYZED



HWGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Manganese	114.000	475	88
Manganese (F)	103.000	358	80



DAMES & MC

BATTERY HOWE/WAG
CONCENTRATIONS OF MANGANESE IN

PSF26476

Date: January 1997

Figur

3

EXPLANATION



MONITORING WELL



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED

05	
ollow-on RI	Jan 1998 Qtr
75	88
58	80



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF MANGANESE IN GROUNDWATER**

PSF26476

Date: January 1997

Figure 13.5-14

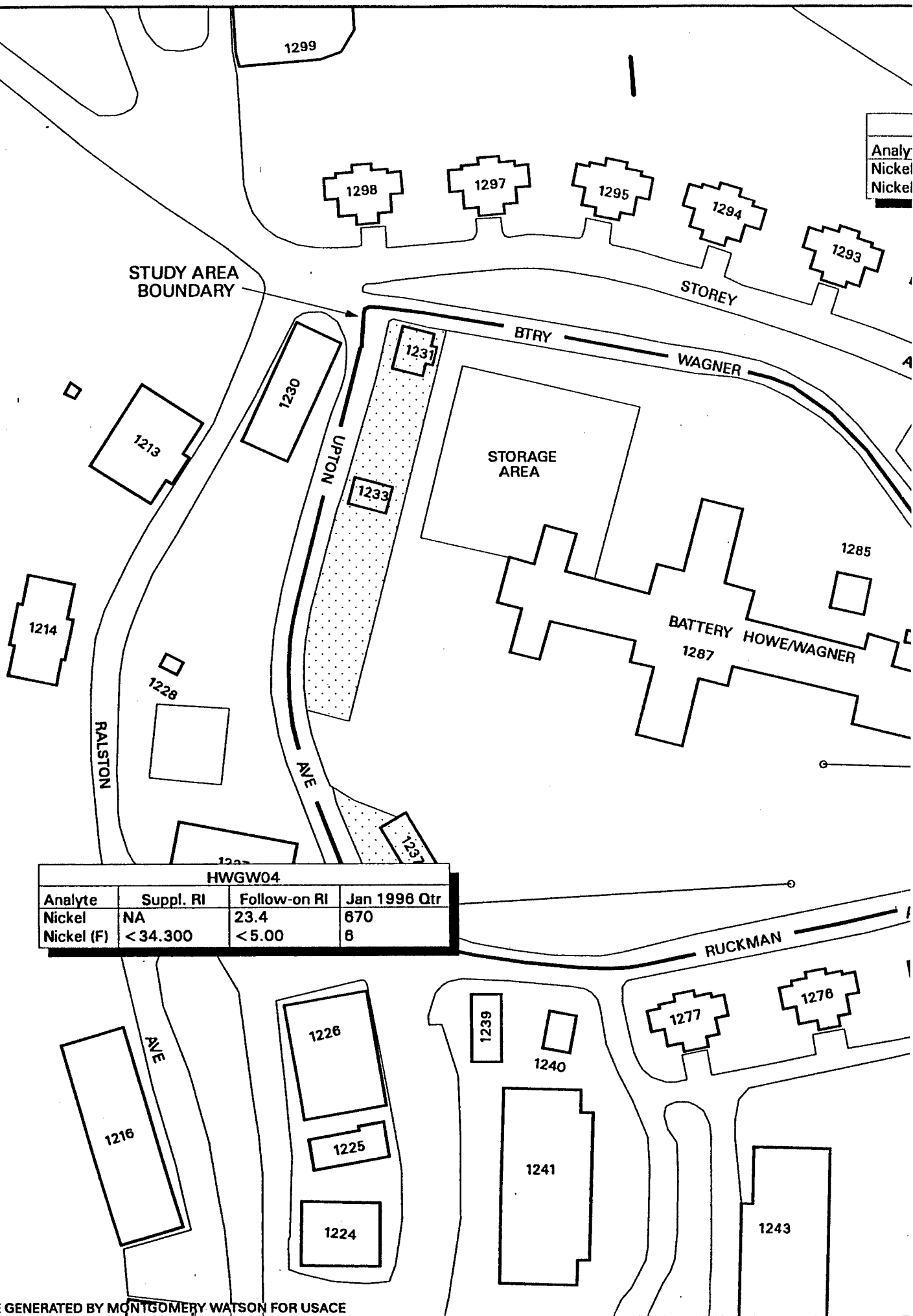


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

HWY
101

2

EXPLANATION



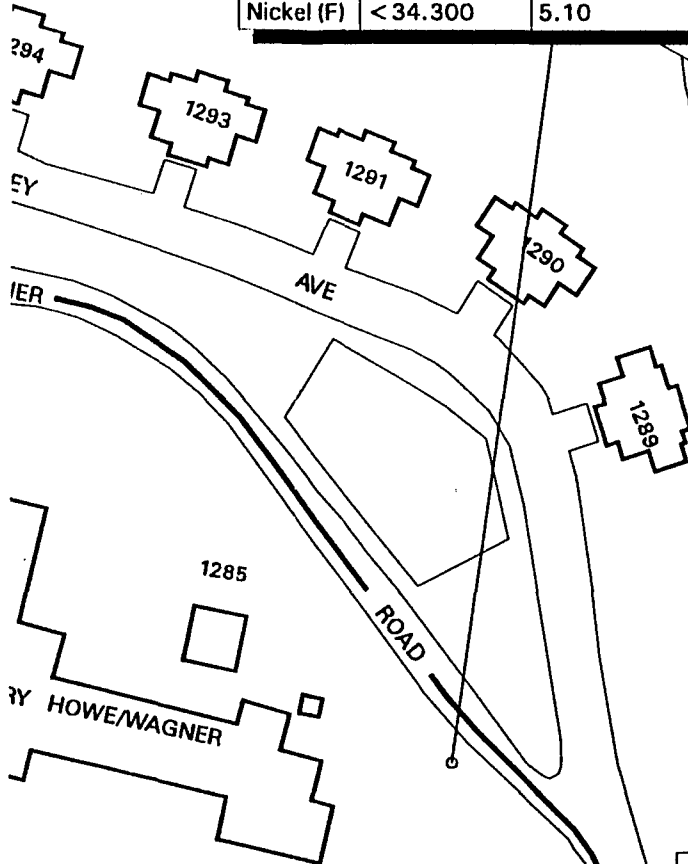
MONITORING WELL



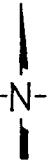
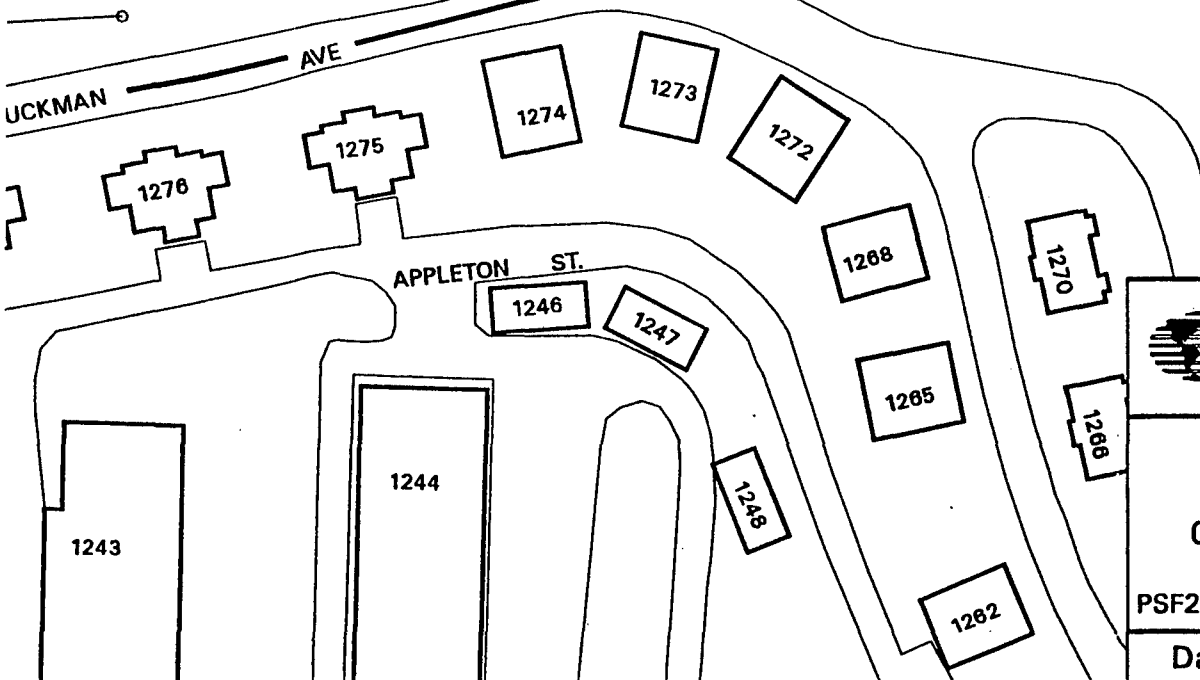
SURFACES COVERED BY
PAVEMENT OR BUILDING

- NOTE: 1. ALL CONCENTRATIONS RE
2. DATA FOOTNOTE AND LIT
ARE INCLUDED AT THE END
SECTION.
3. (F) INDICATES FILTERED S
4. NA = NOT ANALYZED

HWGW01			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	149.000	9.45	< 5.0
Nickel (F)	< 34.300	5.10	< 5.0



HWGW05			
Analyte	Suppl. RI	Follow-on RI	Jan 1996 Qtr
Nickel	85.300	75.6 a	17
Nickel (F)	15.800	25.3	17



DAMES & MOORE

**BATTERY HOWE/
CONCENTRATIONS OF NICKEL**

PSF26470

Date: January 1997

F

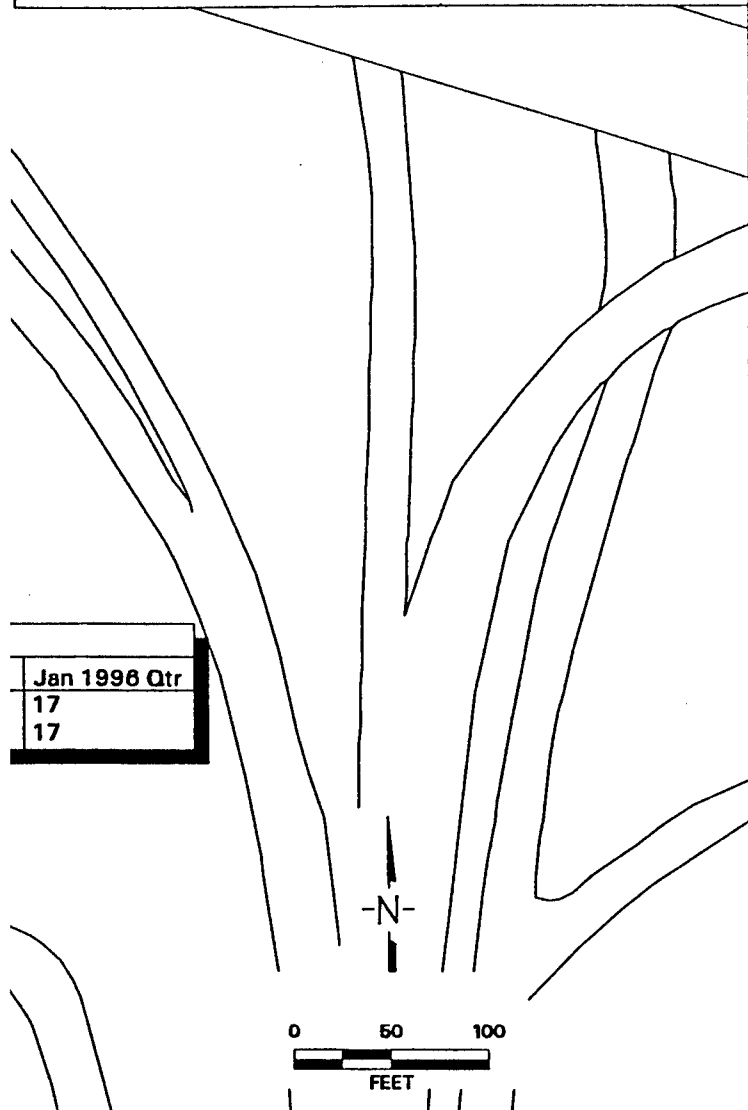
EXPLANATION

○ MONITORING WELL



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

- NOTE: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED



DAMES & MOORE

**BATTERY HOWE/WAGNER
CONCENTRATIONS OF NICKEL IN GROUNDWATER**

PSF26470

Date: January 1997

Figure 13.5-15

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4020

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4370

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4010

OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4630

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Aluminum	4560

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Aluminum	6740	3290

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Aluminum	14100	4630

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Aluminum	17600	5580

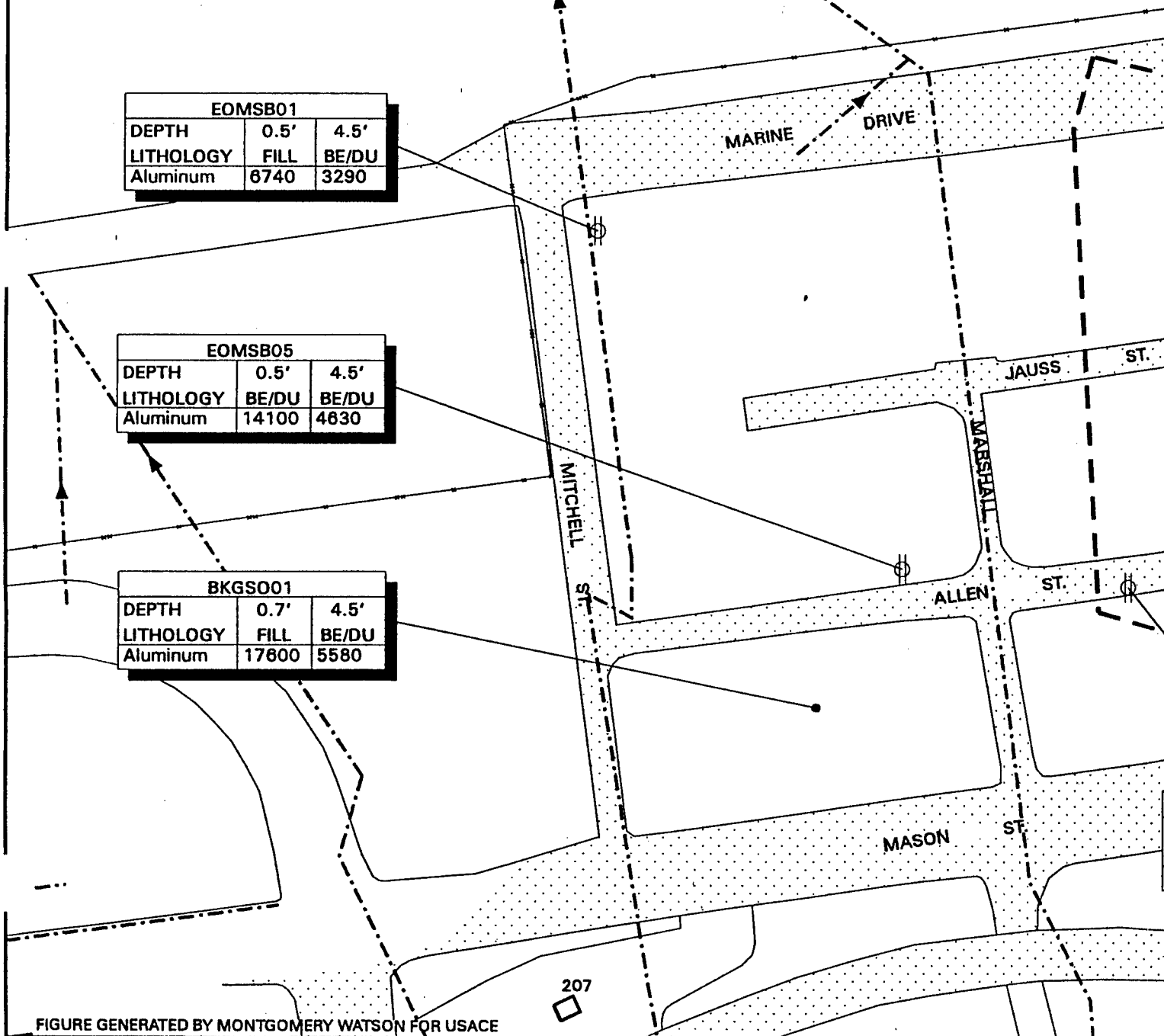


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

OF08SD05	
PTH	0.0'
HOLOGY	MISC
iminum	4560

SAN FRANCISCO BAY

DEH FIRING RANGE*

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Aluminum	8520	3690

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Aluminum	11800	4140

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Aluminum	5460	3870

2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISC GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLO
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDING

- NOTES: 1. ALL CONCENTRATIONS REP
2. DATA FOOTNOTE AND LITHI ARE INCLUDED AT THE END O SECTION.
3. * ADDITIONAL INVESTIGAT BY MONTGOMERY WATSON.

JAUSS ST.

JANOWITZ ST.

LEN ST.

MARSHALL ST.

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0 50
FEET



DAMES & M

MISCELLANEOUS FOLLO
EAST OF MAS
CONCENTRATIONS OF ALU

PSF26491

Date: January 1997

Fig

3

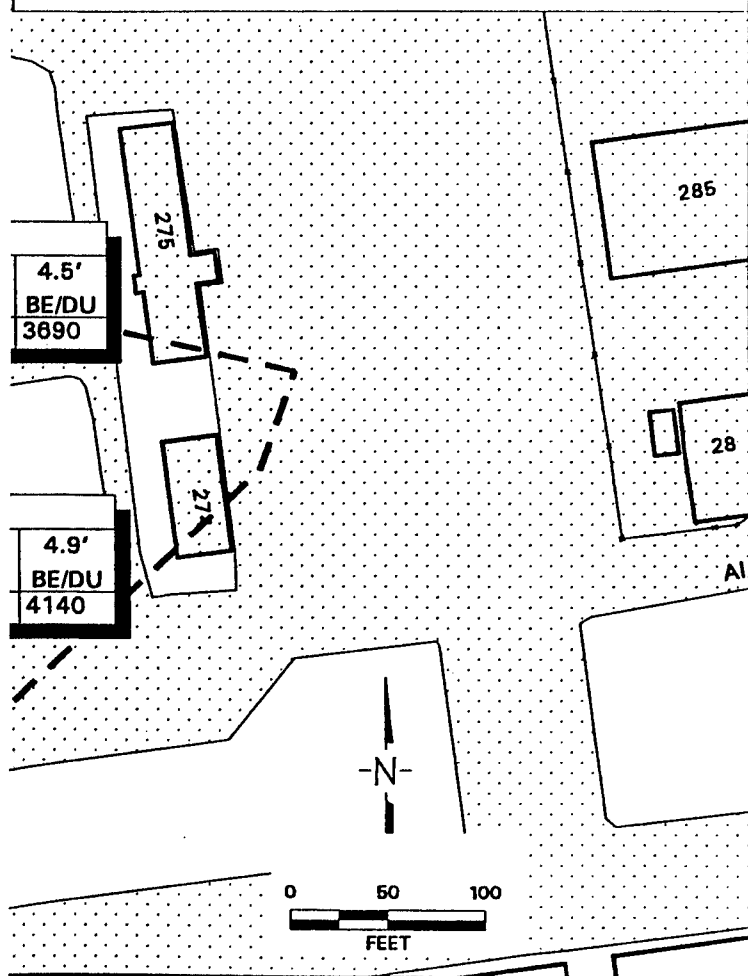
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ALUMINUM IN SOIL

PSF26491

Date: January 1997

Figure 14.7-2

OF08SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.69

OF08SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.04

OF08SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	4.01

OF08SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	2.92

OF08SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.57

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Arsenic	2.27 a	2.64 a

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Arsenic	2.30 a	2.73 a

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Arsenic	<2.5	4.18

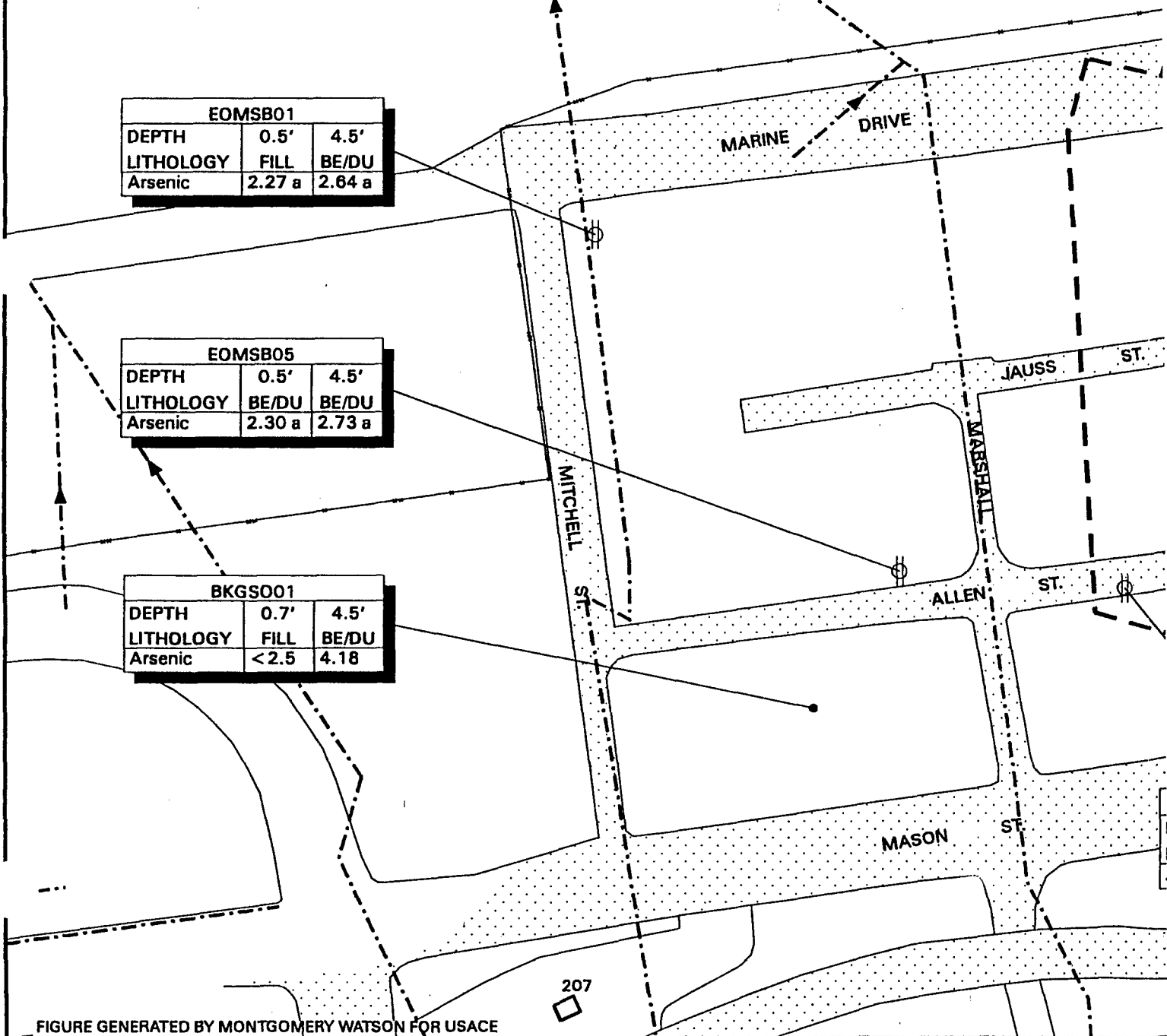


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES: 1. ALL CONCENTRATIONS REPORTED IN THIS SECTION ARE IN MICROGRAMS PER GRAM (PPM).
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF EACH SECTION.
3. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON.

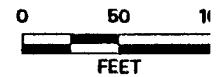
OF08SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Arsenic	3.57

DEH FIRING RANGE*

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Arsenic	3.24 a	3.80 a

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Arsenic	4.49 a	3.85 a

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Arsenic	2.30 a	2.51 a



DAMES & MOORE

MISCELLANEOUS FOLLOW-UP
EAST OF MASCO
CONCENTRATIONS OF ARSENIC

PSF26477

Date: January 1997 Fig. 2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN SOIL

PSF26477

Date: January 1997

Figure 14.7-3

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Chromium	27.5

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Chromium	25.6

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Chromium	30.2

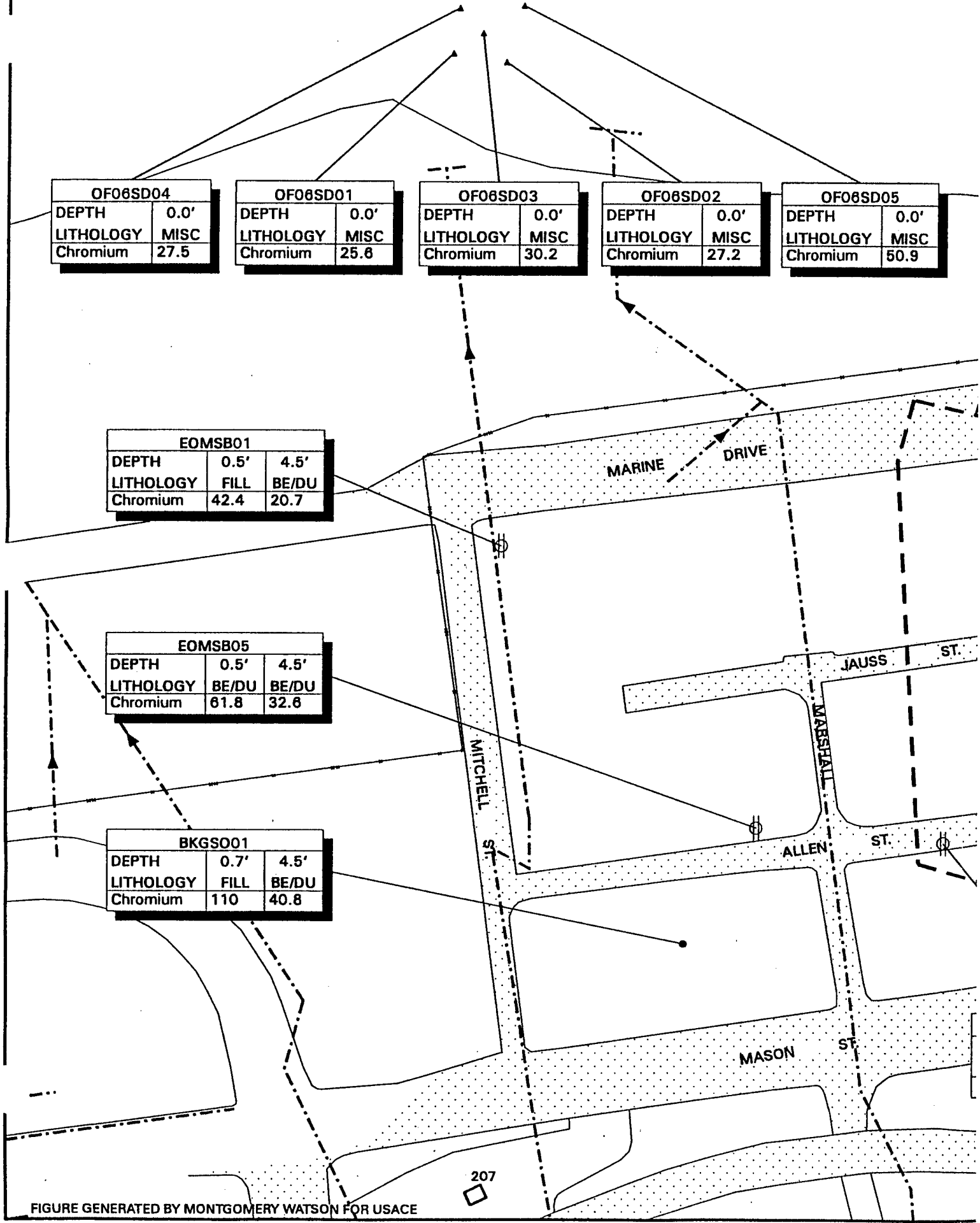
OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Chromium	27.2

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Chromium	50.9

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Chromium	42.4	20.7

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Chromium	61.8	32.6

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Chromium	110	40.8



2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIREC
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES: 1. ALL CONCENTRATIONS REPORTED /
2. DATA FOOTNOTE AND LITHOLOGY K ARE INCLUDED AT THE END OF THIS FI SECTION.
3. * ADDITIONAL INVESTIGATIONS PEI BY MONTGOMERY WATSON.

D05
0.0'
MISC
50.9

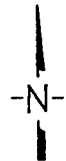
SAN FRANCISCO BAY

DEH FIRING RANGE*

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Chromium	43.8	23.1

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Chromium	48.6	50.9

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Chromium	33.3	27.1



0 50 100
FEET



MISCELLANEOUS FOLLOW-ON
EAST OF MASON
CONCENTRATIONS OF CHROMIU

PSF26481

Date: January 1997

Figure 14

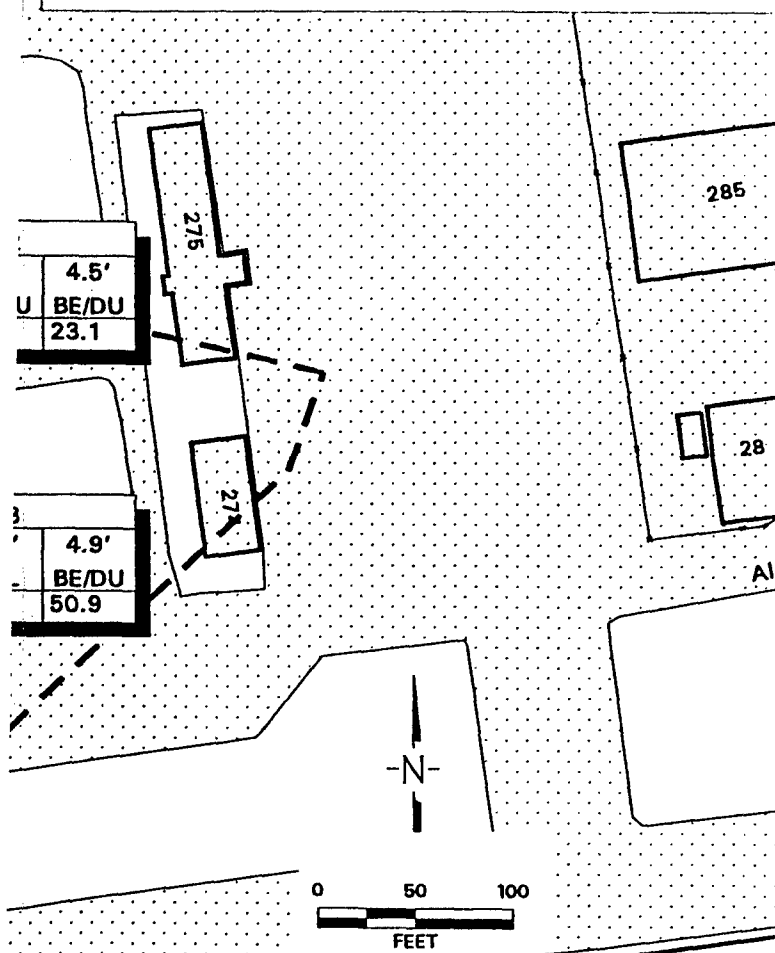
EXPLANATION

▲ ESAP SEDIMENT SAMPLE

● SOIL BORING

⊕ SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE

---> STORM DRAIN WITH FLOW DIRECTION

 SURFACES COVERED BY
PAVEMENT OR BUILDINGS
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.3. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.**DAMES & MOORE**

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CHROMIUM IN SOIL

PSF26481

Date: January 1997

Figure 14.7-4

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.44

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.64

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.2

OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	4.19

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Copper	5.05

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Copper	7.90	4.55

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Copper	17.6	6.98

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Copper	19.2	4.84

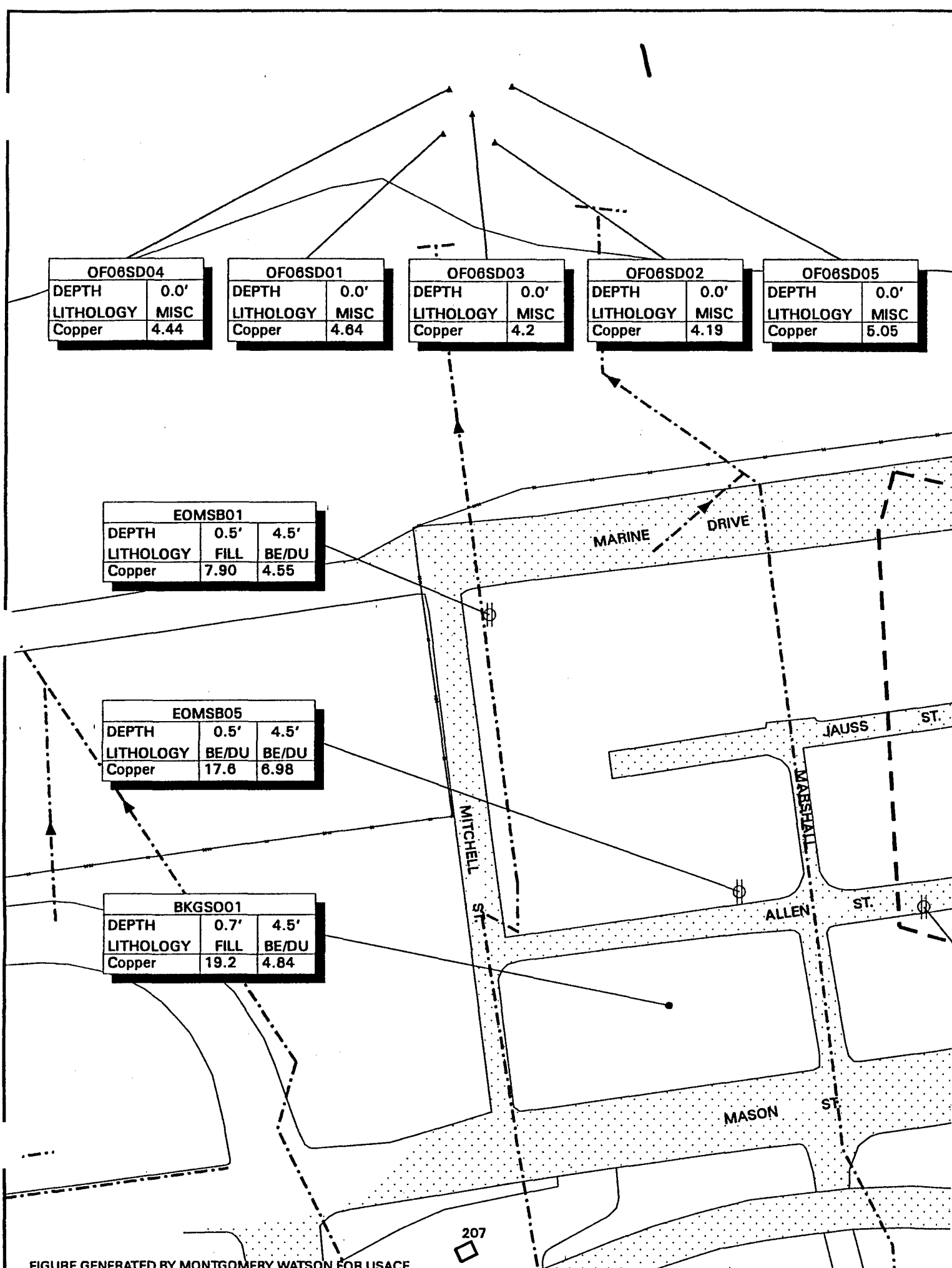


FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

OF08SD05	
'H	0.0'
LOGY	MISC
er	5.05

SAN FRANCISCO BAY

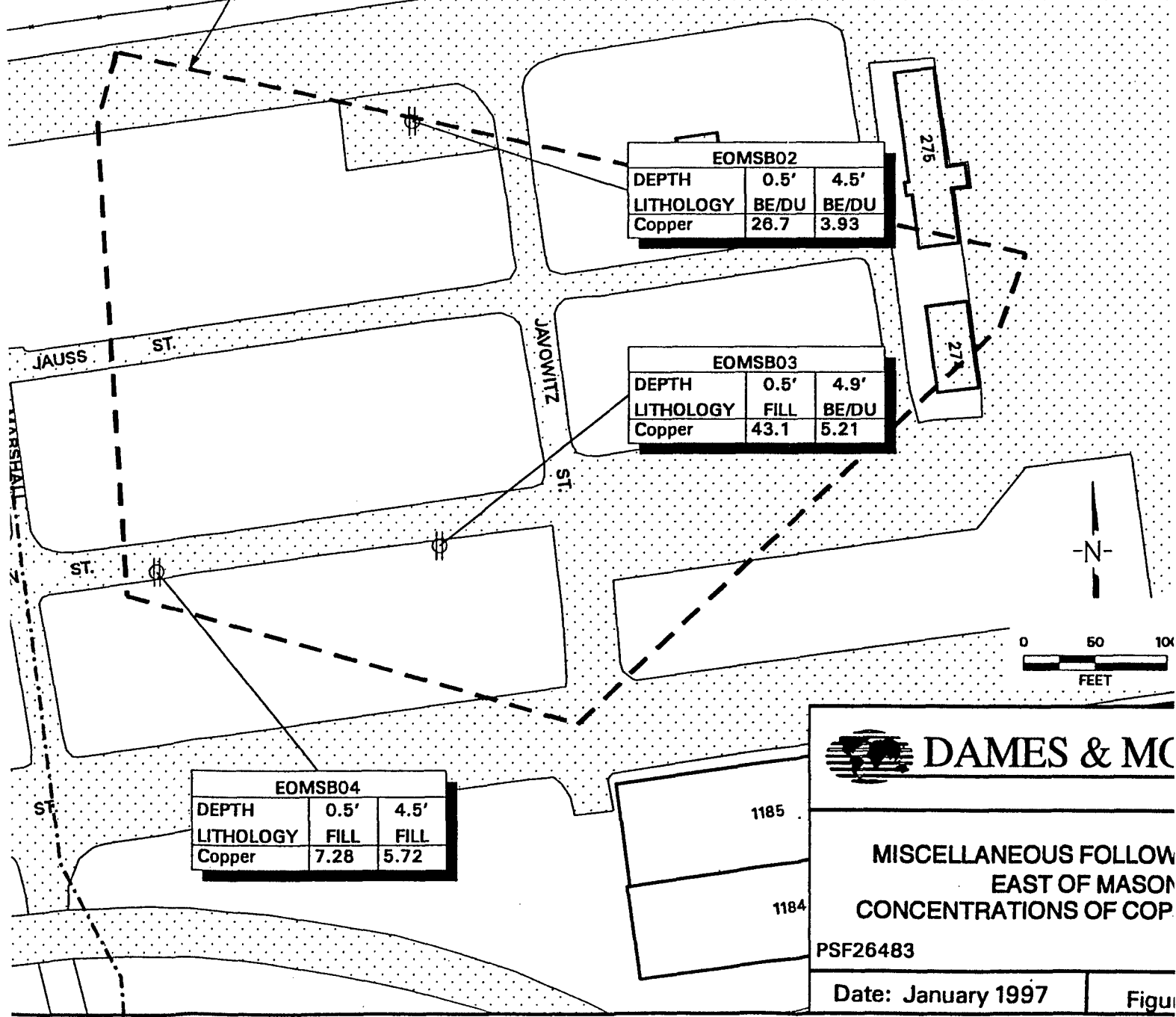
DEH FIRING RANGE*

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW
- [Pattern] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES:

1. ALL CONCENTRATIONS REPORTED IN THIS SECTION.
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON.



EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Copper	26.7	3.93

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Copper	43.1	5.21

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Copper	7.28	5.72



MISCELLANEOUS FOLLOW-UP
EAST OF MASON
CONCENTRATIONS OF COPPER

PSF26483

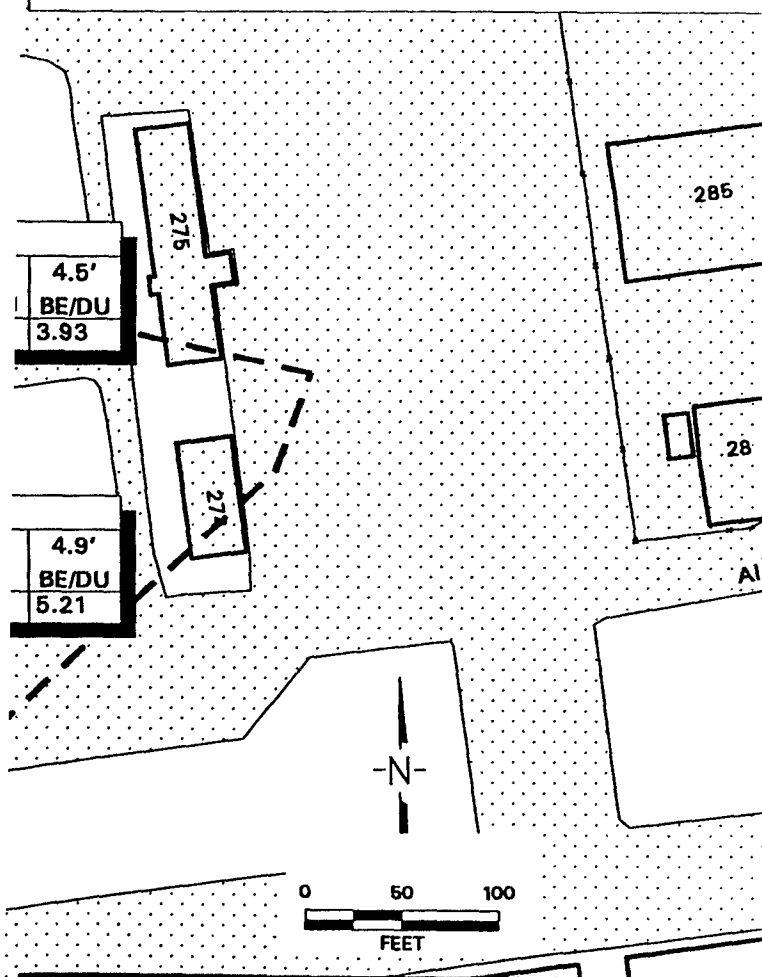
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF COPPER IN SOIL

PSF26483

Date: January 1997

Figure 14.7-5

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	5.99

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	8.15

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	5.78

OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	6.1

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Lead	4.87

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Lead	40.8	20.9

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	35.3	7.08

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Lead	27	<7.44

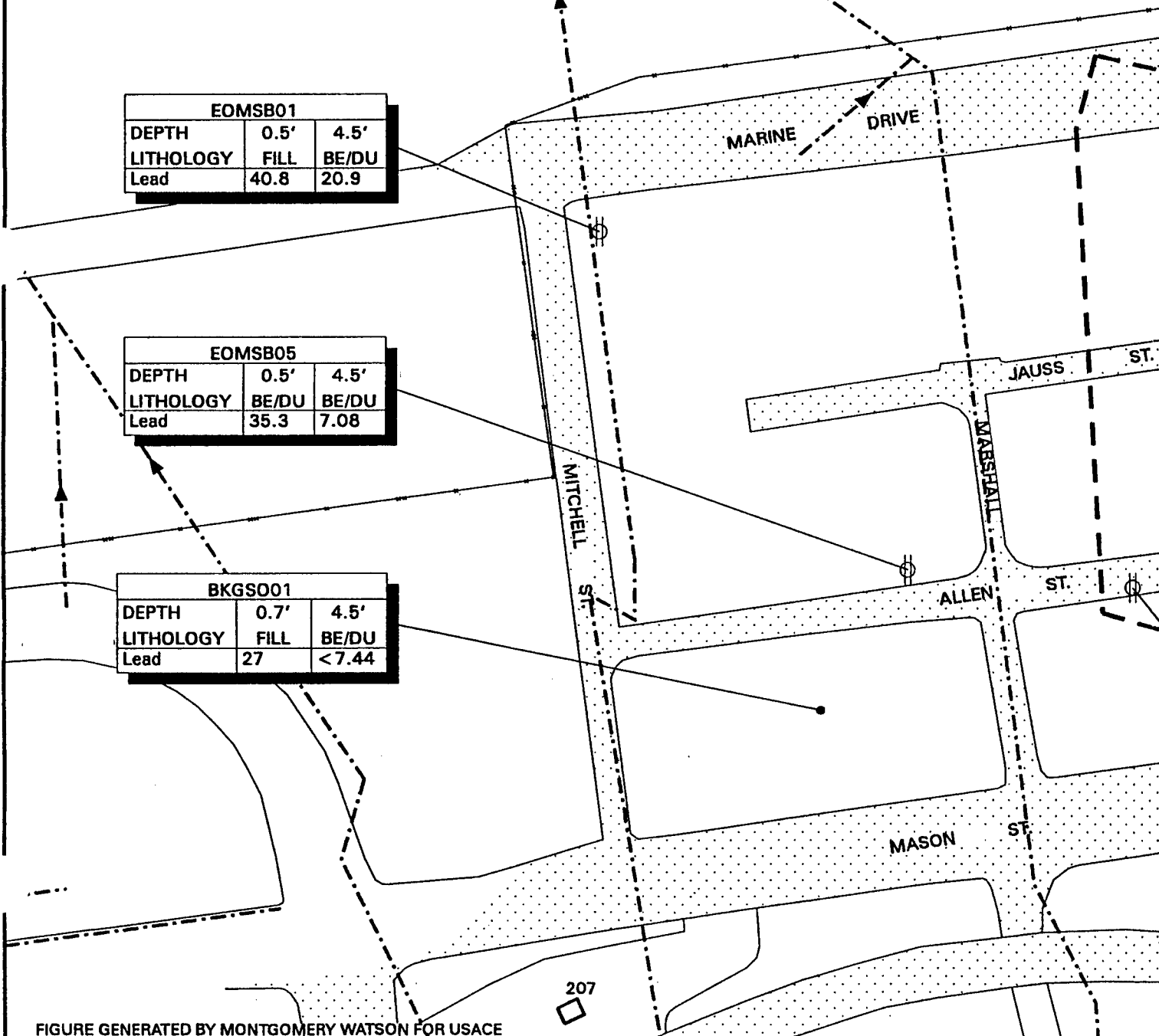


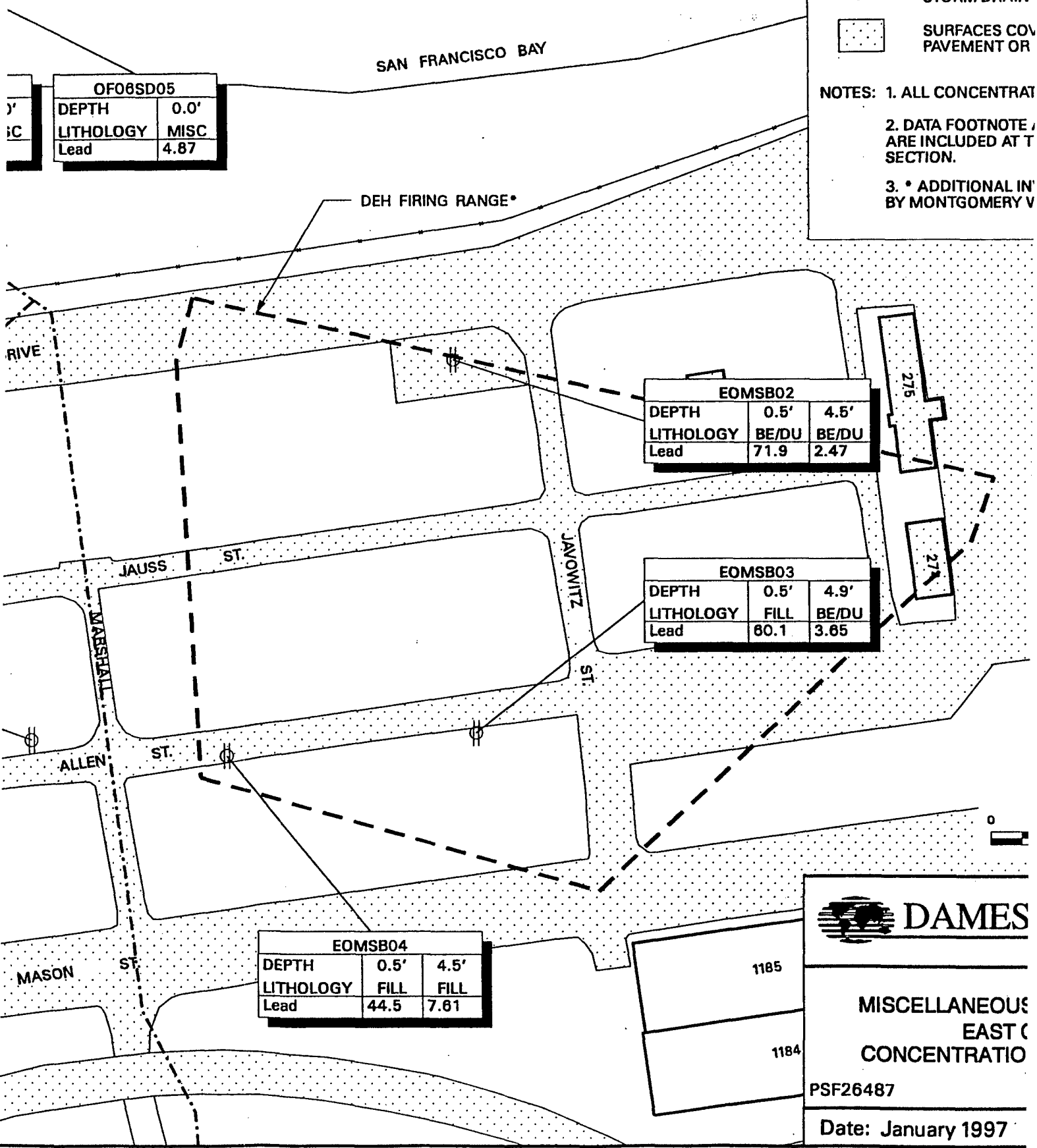
FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPL

- ▲ ESAP SEDIMENT
- SOIL BORING
- ⊕ SOIL BORING AND GROUNDWATER
- > STORM DRAIN
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR

NOTES: 1. ALL CONCENTRATIONS
2. DATA FOOTNOTES, IF ANY, ARE INCLUDED AT THE END OF EACH SECTION.
3. * ADDITIONAL INFORMATION PROVIDED BY MONTGOMERY VA



OF06SD05		
DEPTH	0.0'	
LITHOLOGY	MISC	
Lead	4.87	

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Lead	71.9	2.47

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Lead	80.1	3.85

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Lead	44.5	7.81

DAMES

MISCELLANEOUS EAST (C) CONCENTRATION

PSF26487

Date: January 1997

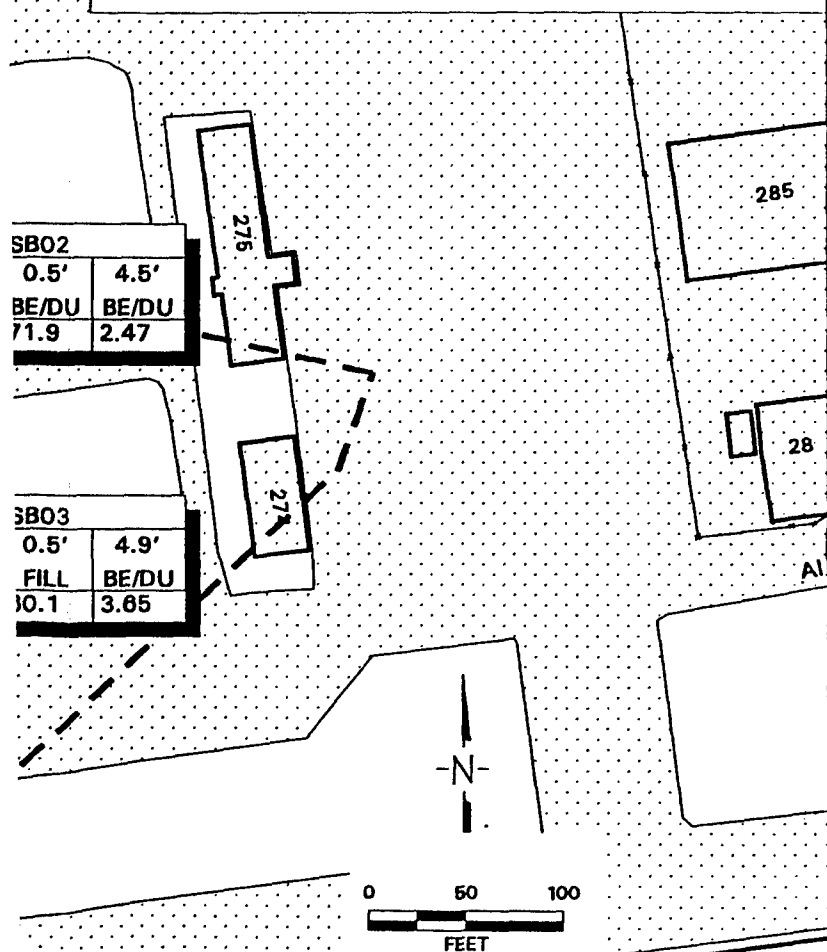
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- ▤ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF LEAD IN SOIL

PSF26487

Date: January 1997

Figure 14.7-6

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	142

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	137

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	173

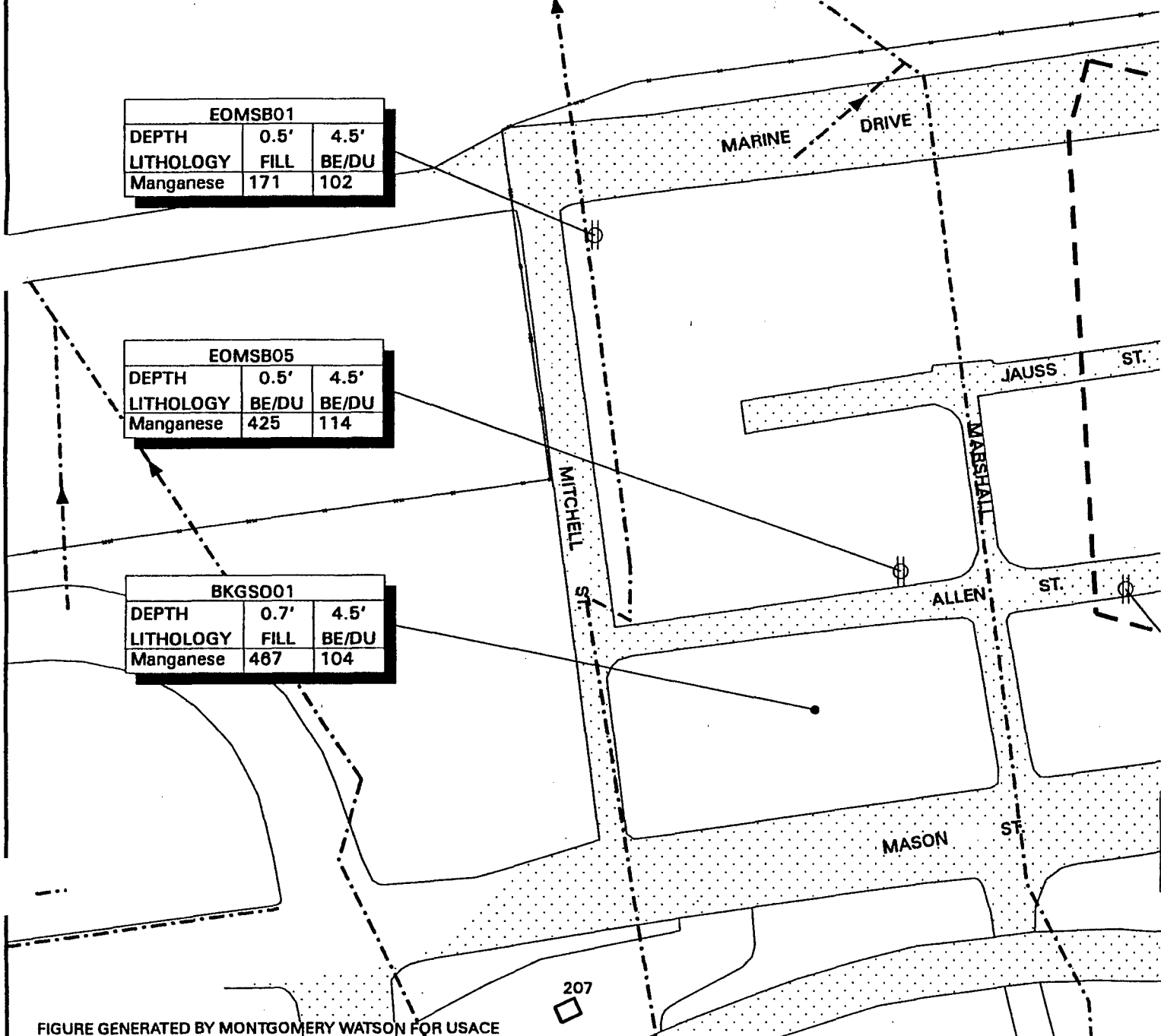
OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	172

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	160

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Manganese	171	102

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Manganese	425	114

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Manganese	467	104



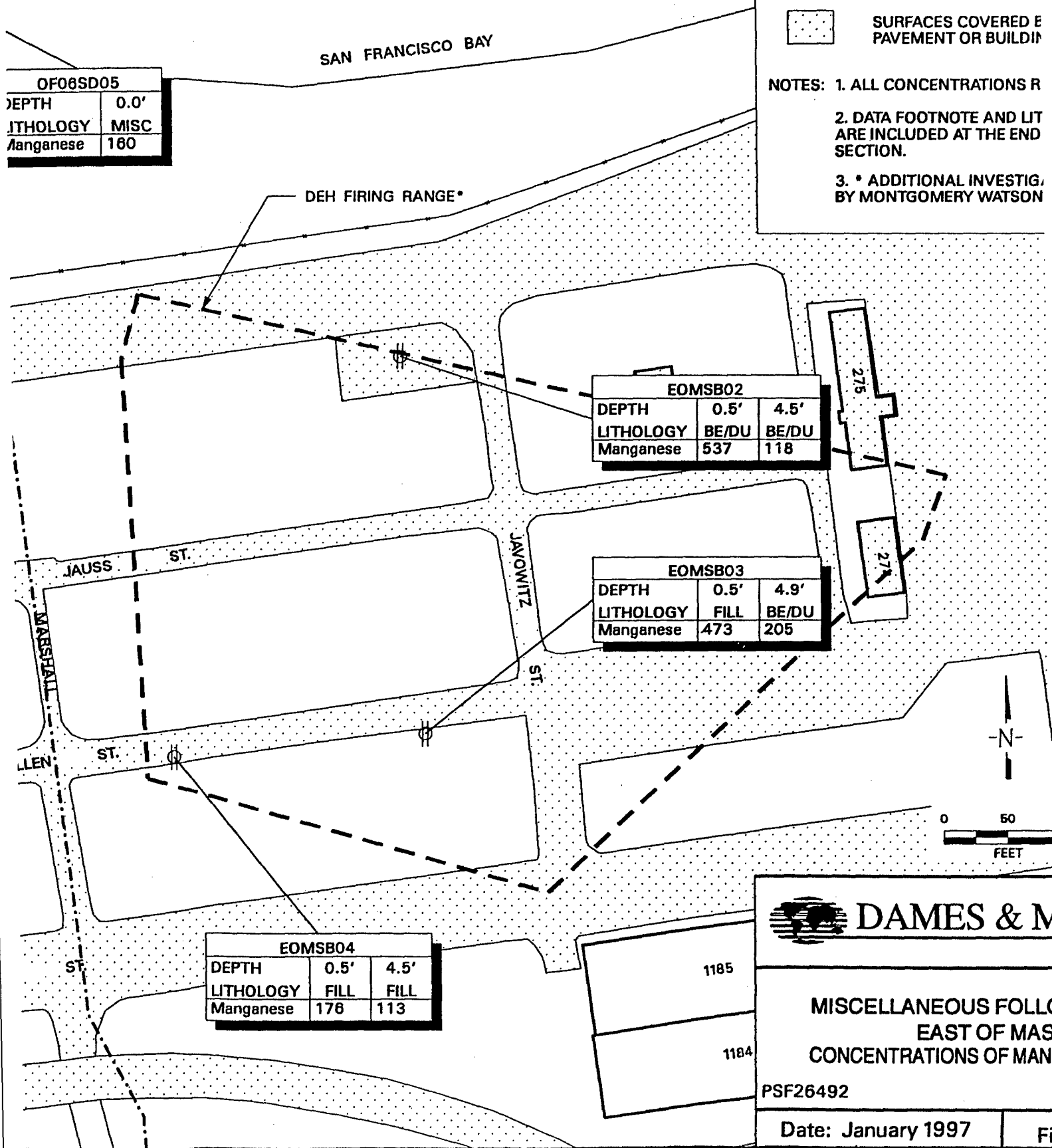
2

EXPLANATIC

- ▲ ESAP SEDIMENT SAMPLING
- SOIL BORING
- ⊕ SOIL BORING WITH DIAPHRAGM
GROUNDWATER SAMPLING
- > STORM DRAIN WITH FLOW
- [Pattern Box] SURFACES COVERED BY
PAVEMENT OR BUILDING

- NOTES: 1. ALL CONCENTRATIONS REPORTED
IN THIS REPORT ARE IN
MG/KG UNLESS OTHERWISE
NOTED.
2. DATA FOOTNOTE AND LITHOLOGY
ARE INCLUDED AT THE END
OF EACH SECTION.
3. * ADDITIONAL INVESTIGATION
BY MONTGOMERY WATSON

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Manganese	180



EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Manganese	537	118

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Manganese	473	205

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Manganese	178	113



DAMES & MOORE

MISCELLANEOUS FOLLOWS
EAST OF MARSHALL
CONCENTRATIONS OF MANGANESE

PSF26492

Date: January 1997

Fig

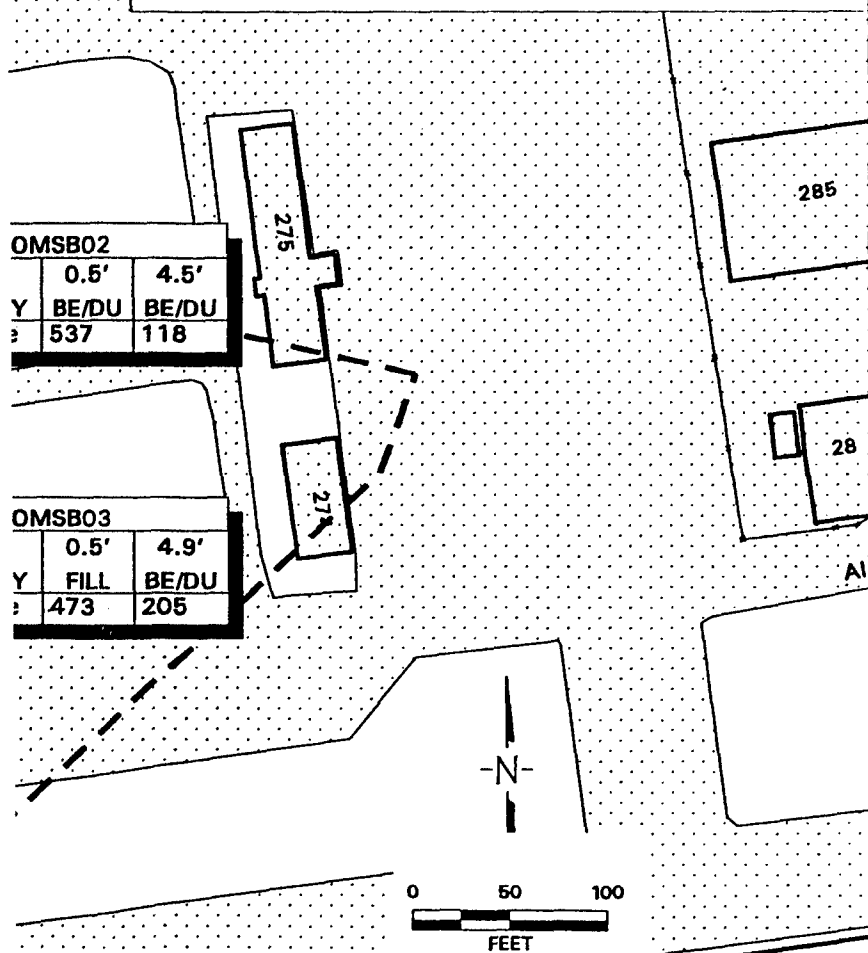
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MANGANESE IN SOIL

PSF26492

Date: January 1997

Figure 14.7-7

OF06SD04	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

OF06SD01	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

OF06SD03	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

OF06SD02	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

OF06SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

EOMSB01		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	BE/DU
Mercury	0.0910	<0.0590

EOMSB05		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Mercury	0.118	<0.0590

BKGS001		
DEPTH	0.7'	4.5'
LITHOLOGY	FILL	BE/DU
Mercury	0.0708	<0.05

17 Sep 96 14:47:16 Tuesday, 1-

7 v3.aml, profile base, EOM, S, 15 gpm, PSF

FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

207

2

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH GROUNDWATER SAMPLE
- > STORM DRAIN WITH
- [Pattern Box] SURFACES COVERED WITH PAVEMENT OR BUILDING

- NOTES:**
1. ALL CONCENTRATIONS
 2. DATA FOOTNOTE AND LOCATION ARE INCLUDED AT THE END OF THE SECTION.
 3. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON

SAN FRANCISCO BAY

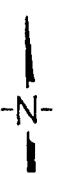
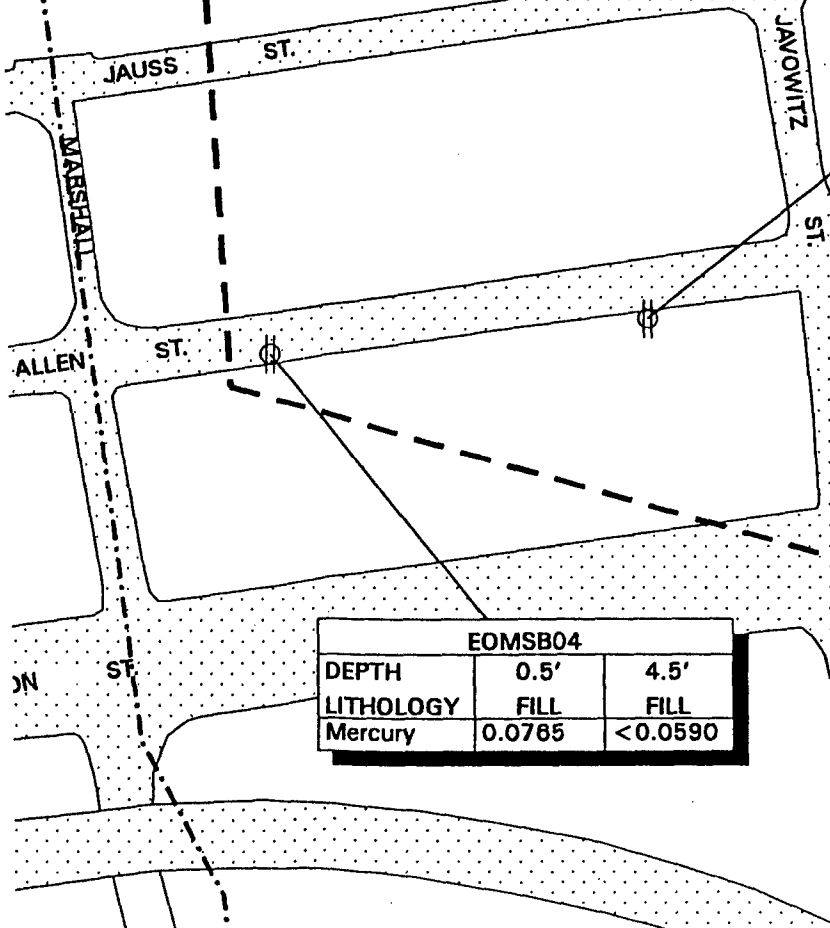
DEH FIRING RANGE*

OF08SD05	
DEPTH	0.0'
LITHOLOGY	MISC
Mercury	<0.1

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Mercury	0.123	<0.0590

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Mercury	0.153	<0.0590

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Mercury	0.0765	<0.0590



MISCELLANEOUS FOLIAGE
EAST OF MARSHALL
CONCENTRATIONS OF MERCURY

PSF26493

Date: January 1997

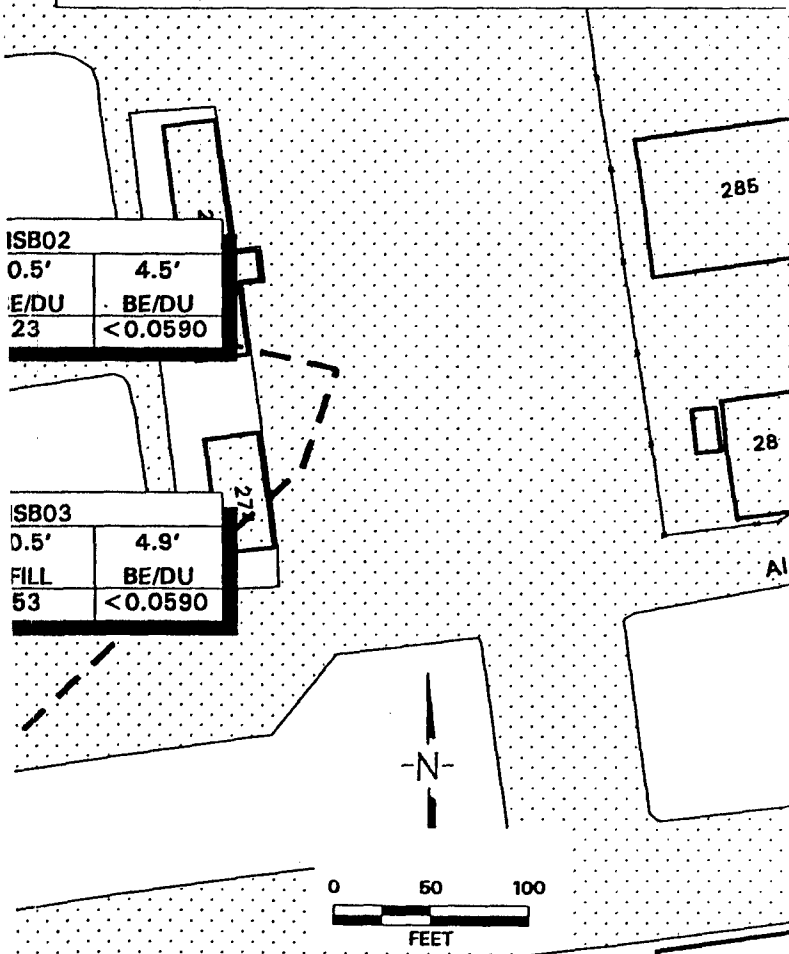
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MERCURY IN SOIL

PSF26493

Date: January 1997

Figure 14.7-8

OF06SD04		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	23.9	

OF06SD01		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	26.8	

OF06SD03		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	29	

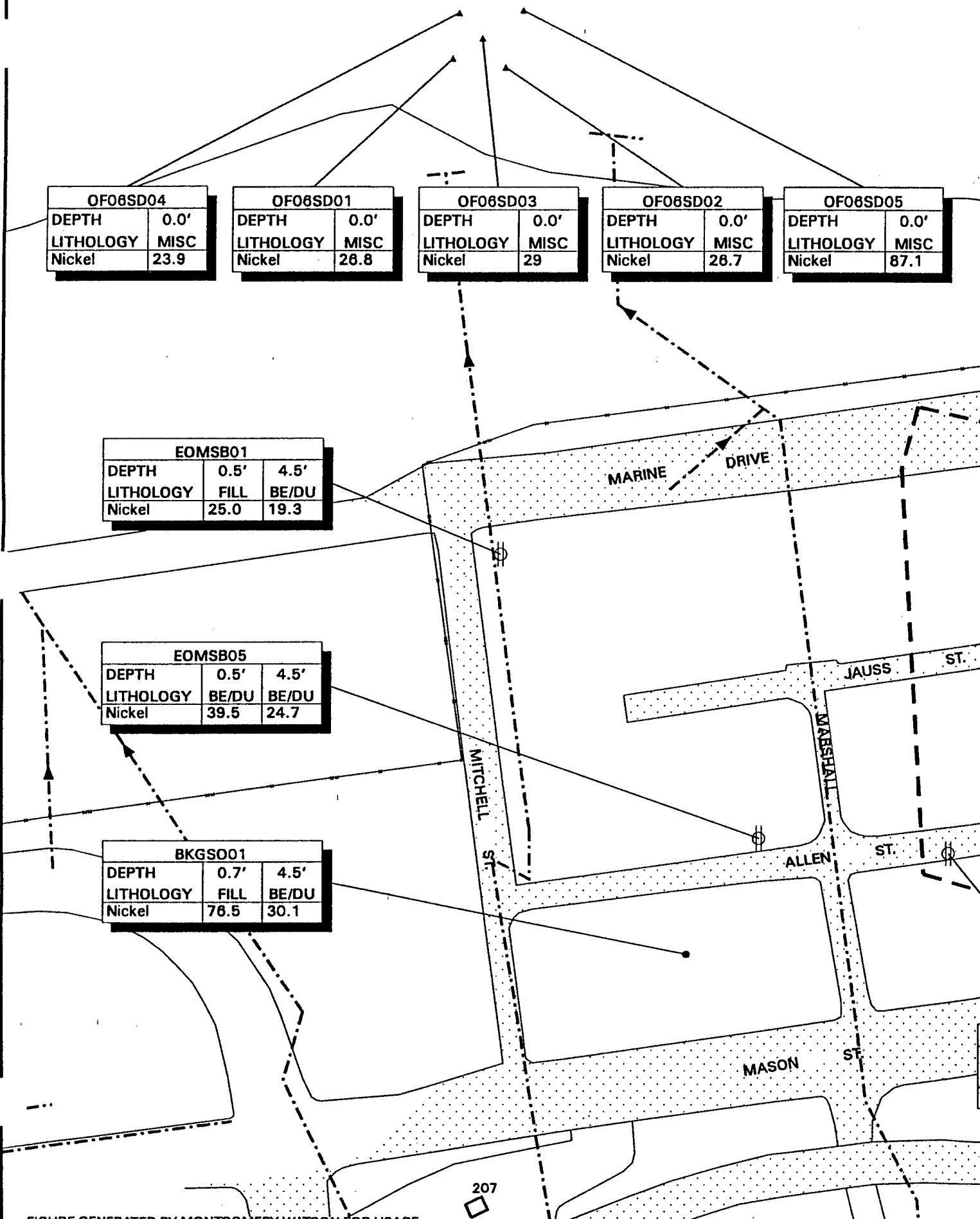
OF06SD02		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	28.7	

OF06SD05		
DEPTH	0.0'	
LITHOLOGY	MISC	
Nickel	87.1	

EOMSB01			
DEPTH	0.5'	4.5'	
LITHOLOGY	FILL	BE/DU	
Nickel	25.0	19.3	

EOMSB05			
DEPTH	0.5'	4.5'	
LITHOLOGY	BE/DU	BE/DU	
Nickel	39.5	24.7	

BKGS001			
DEPTH	0.7'	4.5'	
LITHOLOGY	FILL	BE/DU	
Nickel	76.5	30.1	



EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRE
- [Pattern Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES:** 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. * ADDITIONAL INVESTIGATIONS BY MONTGOMERY WATSON.

3SD05	0.0'
3Y MISC	87.1

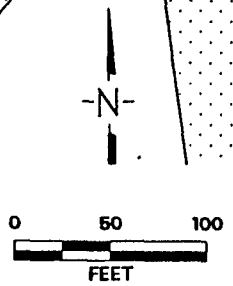
SAN FRANCISCO BAY

DEH FIRING RANGE*

EOMSB02		
DEPTH	0.5'	4.5'
LITHOLOGY	BE/DU	BE/DU
Nickel	43.4	25.5

EOMSB03		
DEPTH	0.5'	4.9'
LITHOLOGY	FILL	BE/DU
Nickel	37.8	32.8

EOMSB04		
DEPTH	0.5'	4.5'
LITHOLOGY	FILL	FILL
Nickel	29.3	21.4



DAMES & MOORE

MISCELLANEOUS FOLLOW-UP
EAST OF MASON
CONCENTRATIONS OF NICKEL

PSF26485

Date: January 1997

Figure

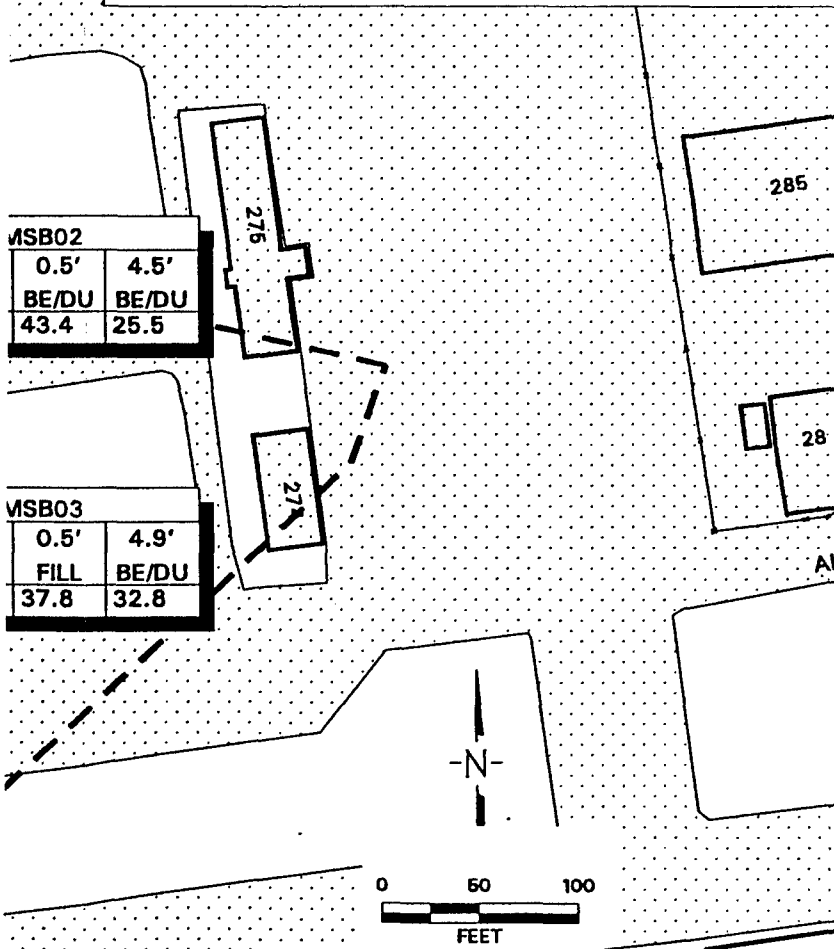
EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- SOIL BORING
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF NICKEL IN SOIL

PSF26485

Date: January 1997

Figure 14.7-9

OF06SD04	
DEPTH	0.0'
ppDDE	<0.0004

OF06SD01	
DEPTH	0.0'
ppDDE	<0.0004

OF06SD03	
DEPTH	0.0'
ppDDE	<0.0004 p

OF06SD02	
DEPTH	0.0'
ppDDE	<0.0004 p

OF06SD0	
DEPTH	
ppDDE	<

EOMSB01		
DEPTH	0.5'	4.5'
ppDDE	<0.0004 p	<0.0004

EOMSB05		
DEPTH	0.5'	4.5'
ppDDE	8.49	<0.0004

EOMSB04	
DEPTH	0.5'
ppDDE	<0.0004

MARINE DRIVE

JAUSS ST.

MARSHALL

ALLEN ST.

MITCHELL ST.

MASON

207

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊕ SOIL BORING WITH DISCRET GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW D
- ▨ SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES:**
1. ALL CONCENTRATIONS REPORT
 2. DATA FOOTNOTE AND LITHOLO ARE INCLUDED AT THE END OF TH SECTION.
 3. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON.

SAN FRANCISCO BAY

DEH FIRING RANGE*

OF08SD05	
DEPTH	0.0'
ppDDE	<0.0004

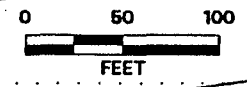
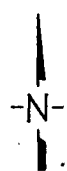
EOMSB02		
DEPTH	0.5'	4.5'
ppDDE	<0.0004 p	<0.0004

EOMSB03		
DEPTH	0.5'	4.9'
ppDDE	<0.0004	<0.0004 p

JAUSS ST.

JANOWITZ ST.

ST.



EOMSB04		
DEPTH	0.5'	4.5'
ppDDE	<0.0004	<0.0004



DAMES & MO

MISCELLANEOUS FOLLOW-
EAST OF MASON
CONCENTRATIONS OF ppDDE

PSF26494

Date: January 1997

Figure

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- [Stippled Box] SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

EOMSB02	
0.5'	4.5'
<0.0004 p	<0.0004

EOMSB03	
0.5'	4.9'
<0.0004	<0.0004 p



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ppDDE IN SOIL

PSF26494

Date: January 1997

Figure 14.7-10

OF06SD04	
DEPTH	0.0'
ppDDT	<0.0003

OF06SD01	
DEPTH	0.0'
ppDDT	<0.0003

OF06SD03	
DEPTH	0.0'
ppDDT	<0.0003

OF06SD02	
DEPTH	0.0'
ppDDT	<0.0003

OF06SD05	
DEPTH	0.0'
ppDDT	<0.0003

EOMSB01		
DEPTH	0.5'	4.5'
ppDDT	<0.0003 p	<0.0003

EOMSB05		
DEPTH	0.5'	4.5'
ppDDT	4.66	<0.0003

EOMSB04	
DEPTH	0.5'
ppDDT	<0.0003

MARINE DRIVE

JAUSS ST.

MARSHALL ST.

ALLEN ST.

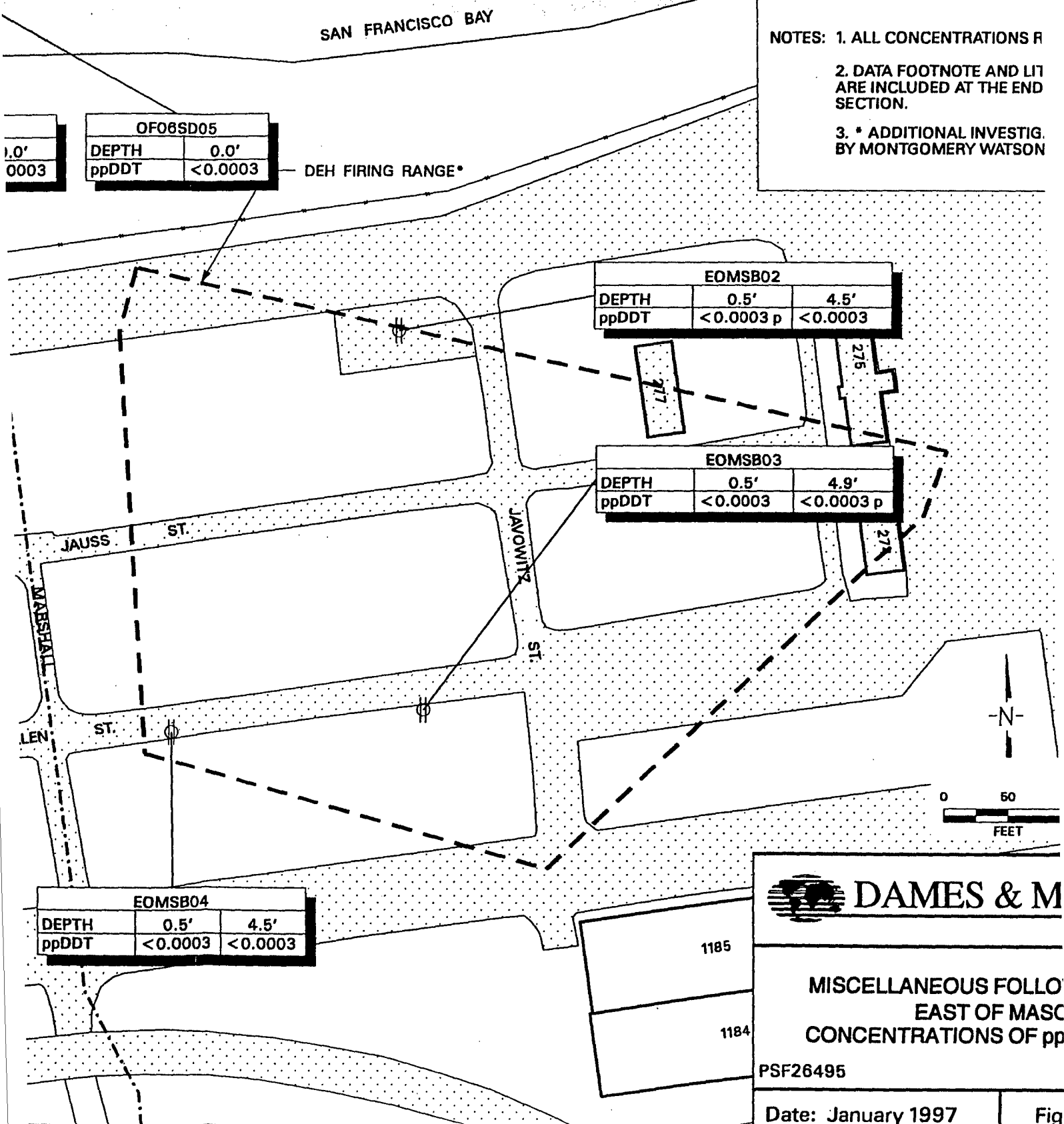
MASON

207

EXPLANATION

- ▲ ESAP SEDIMENT SAM
- ⊕ SOIL BORING WITH DI
GROUNDWATER SAM
- > STORM DRAIN WITH F
- ▨ SURFACES COVERED BY
PAVEMENT OR BUILDING

- NOTES:**
1. ALL CONCENTRATIONS IN
 2. DATA FOOTNOTE AND LIT
 - ARE INCLUDED AT THE END
 - SECTION.
 3. * ADDITIONAL INVESTIG.
 - BY MONTGOMERY WATSON



OF06SD05	
DEPTH	0.0'
ppDDT	<0.0003

DEH FIRING RANGE*

EOMSB02		
DEPTH	0.5'	4.5'
ppDDT	<0.0003 p	<0.0003

EOMSB03		
DEPTH	0.5'	4.9'
ppDDT	<0.0003	<0.0003 p

EOMSB04		
DEPTH	0.5'	4.5'
ppDDT	<0.0003	<0.0003



DAMES & M

MISCELLANEOUS FOLLO
EAST OF MASC
CONCENTRATIONS OF pp

PSF26495

Date: January 1997

Fig

EXPLANATION

- ▲ ESAP SEDIMENT SAMPLE
- ⊕ SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- > STORM DRAIN WITH FLOW DIRECTION
- ▤ SURFACES COVERED BY PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/g}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.

EOMSB02		
H	0.5'	4.5'
T	<0.0003 p	<0.0003

EOMSB03		
H	0.5'	4.9'
T	<0.0003	<0.0003 p



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ppDDT IN SOIL

PSF26495

Date: January 1997

Figure 14.7-11

EOMSB02		
Program	Follow-on RI	Follow-on
Depth	8.3'	10.0'
Arsenic	49.6 a	12
Arsenic (F)	NA	<5

EOMSB01		
Program	Follow-on RI	
Depth	7.0'	
Arsenic	19.5	

EOMSB05		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Arsenic	108 a	11
Arsenic (F)	NA	<5

EOMSB04		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Arsenic	12.3	<5
Arsenic (F)	NA	<5

2

SB02	
on RI	Follow-on RI
12	10.0'
<5	

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DEH FIRING RANGE*




USS ST.

JACOWITZ ST.

ST.

EOMSB03		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Arsenic	169 a	<5
Arsenic (F)	NA	<5

EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
 STORM DRAIN WITH FLOW DIR
 SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS BY MONTGOMERY WATSON.

0 50 100
FEET



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN GROU

PSF26478

Date: January 1997

Figure 14.

EXPLANATION

SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

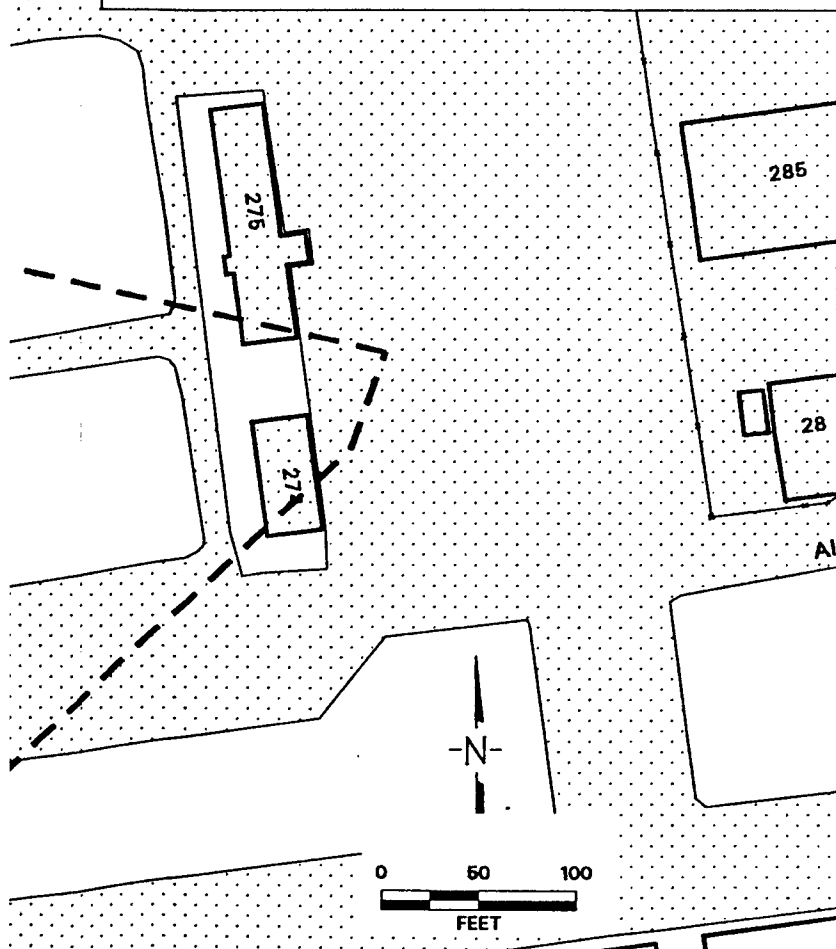
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.



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1185

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**MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF ARSENIC IN GROUNDWATER**

PSF26478

Date: January 1997

Figure 14.7-12

EOMSB02		
Program	Follow-on RI	Follow-on R
Depth	8.3'	10.0'
Cadmium	< 3.00	< 5
Cadmium (F)	NA	7




EOMSB01	
Program	Follow-on RI
Depth	7.0'
Cadmium	8.00 f

EOMSB05		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Cadmium	< 3.00	< 5
Cadmium (F)	NA	< 5

EOMSB04		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Cadmium	< 3.00	< 5
Cadmium (F)	NA	< 5

2

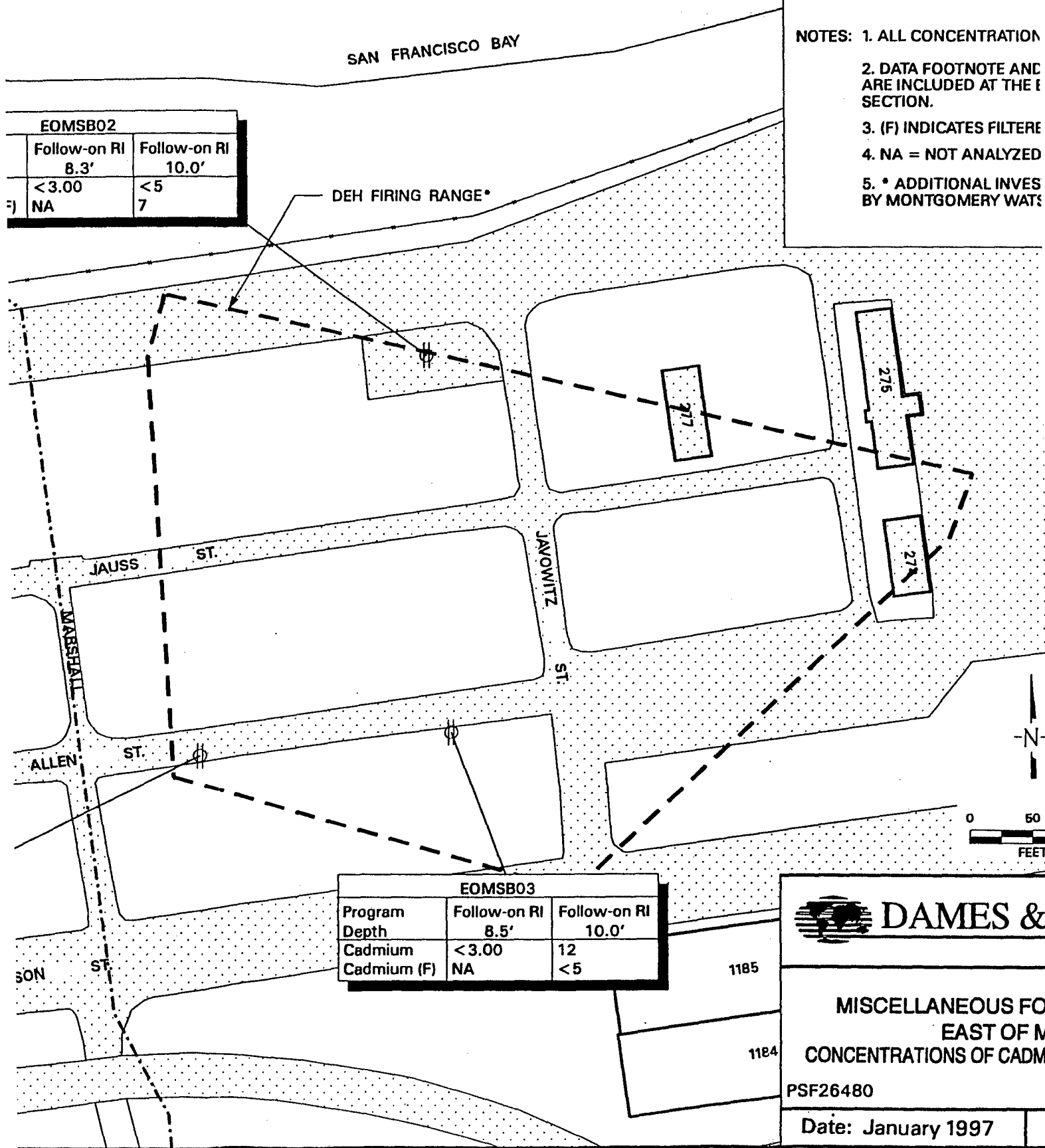
EXPLAN

-  SOIL BORING WITH GROUNDWATER SAMPLING
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED WITH PAVEMENT OR BUILT-UP

- NOTES:**
1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)
 2. DATA FOOTNOTE AND ANALYSIS ARE INCLUDED AT THE END OF EACH SECTION.
 3. (F) INDICATES FILTERED
 4. NA = NOT ANALYZED
 5. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON

EOMSB02	
Follow-on RI	Follow-on RI
8.3'	10.0'
<3.00	<5
NA	7

DEH FIRING RANGE*



EOMSB03		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Cadmium	<3.00	12
Cadmium (F)	NA	<5



**MISCELLANEOUS FINDINGS
EAST OF MONTGOMERY WATSON
CONCENTRATIONS OF CADMIUM**

PSF26480

Date: January 1997

EXPLANATION



SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

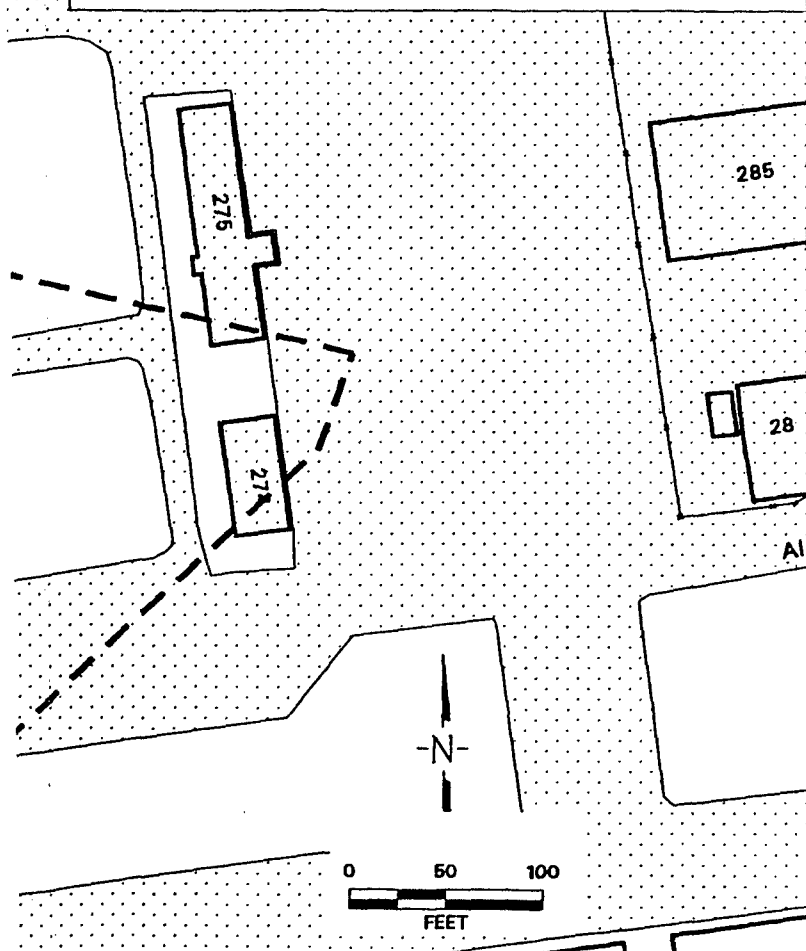
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.



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MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CADMIUM IN GROUNDWATER

PSF26480

Date: January 1997

Figure 14.7-13

EOMSB02		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Chromium	628 f	140
Chromium (F)	NA	< 10

EOMSB01	
Program	Follow-on RI
Depth	7.0'
Chromium	168

EOMSB05		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Chromium	1700 f	180
Chromium (F)	NA	< 10

EOMSB04		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Chromium	1030 f	250
Chromium (F)	NA	< 10

MARINE DRIVE

MITCHELL ST.

JAUSS ST.

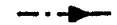
MARSHALL ST.

ALLEN ST.

MASON ST.

207

2

EXPLANATIONSOIL BORING WITH DISC
GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW

SURFACES COVERED BY
PAVEMENT OR BUILDING

NOTES: 1. ALL CONCENTRATIONS REPR

2. DATA FOOTNOTE AND LITHO
ARE INCLUDED AT THE END OF
SECTION.

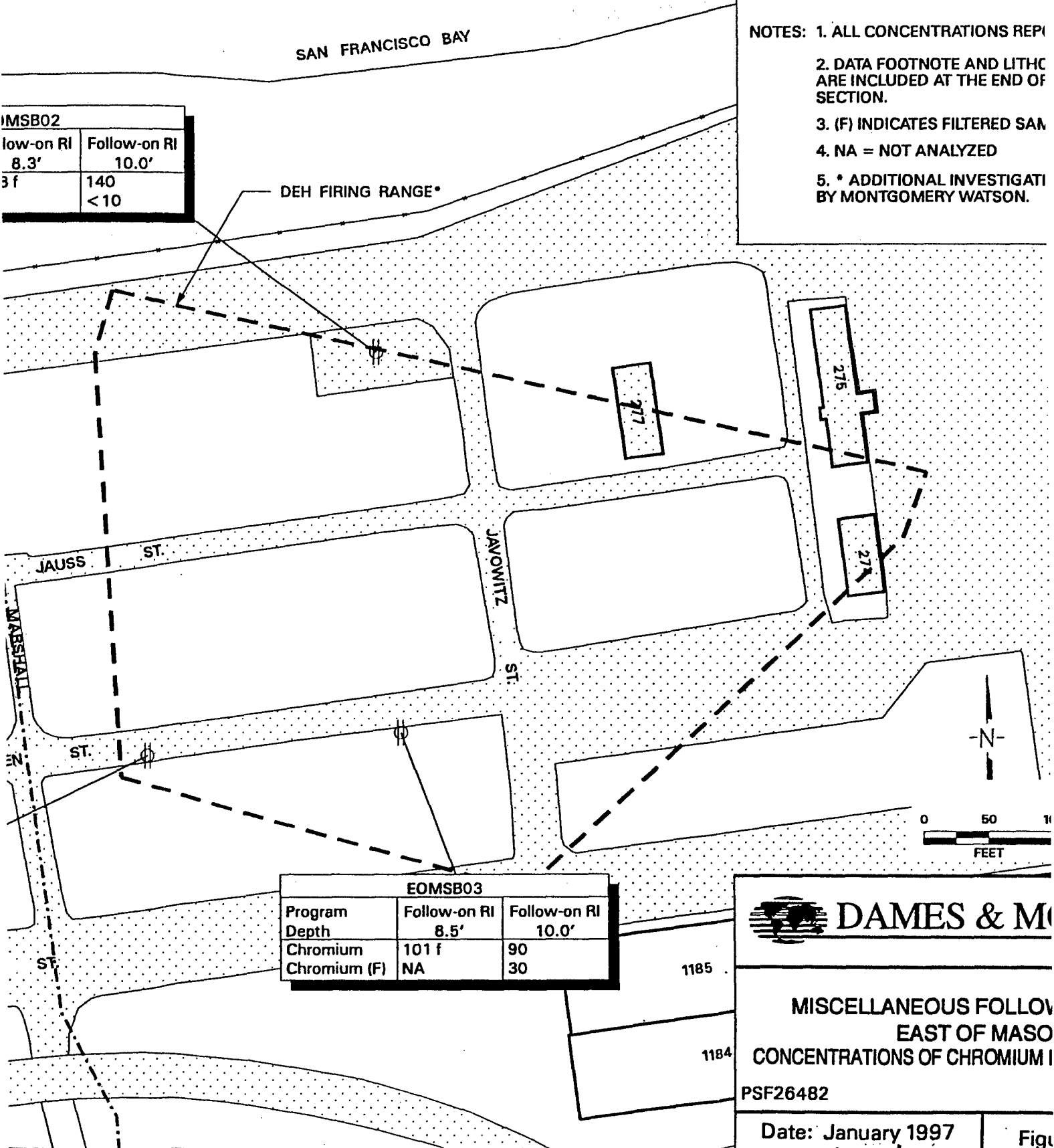
3. (F) INDICATES FILTERED SAM

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATION
BY MONTGOMERY WATSON.

IMSB02	
low-on RI	Follow-on RI
8.3'	10.0'
3 f	140
	<10

DEH FIRING RANGE*



EOMSB03		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Chromium	101 f	90
Chromium (F)	NA	30




**DAMES & MOORE**MISCELLANEOUS FOLLOW-UP
EAST OF MASO
CONCENTRATIONS OF CHROMIUM

PSF26482

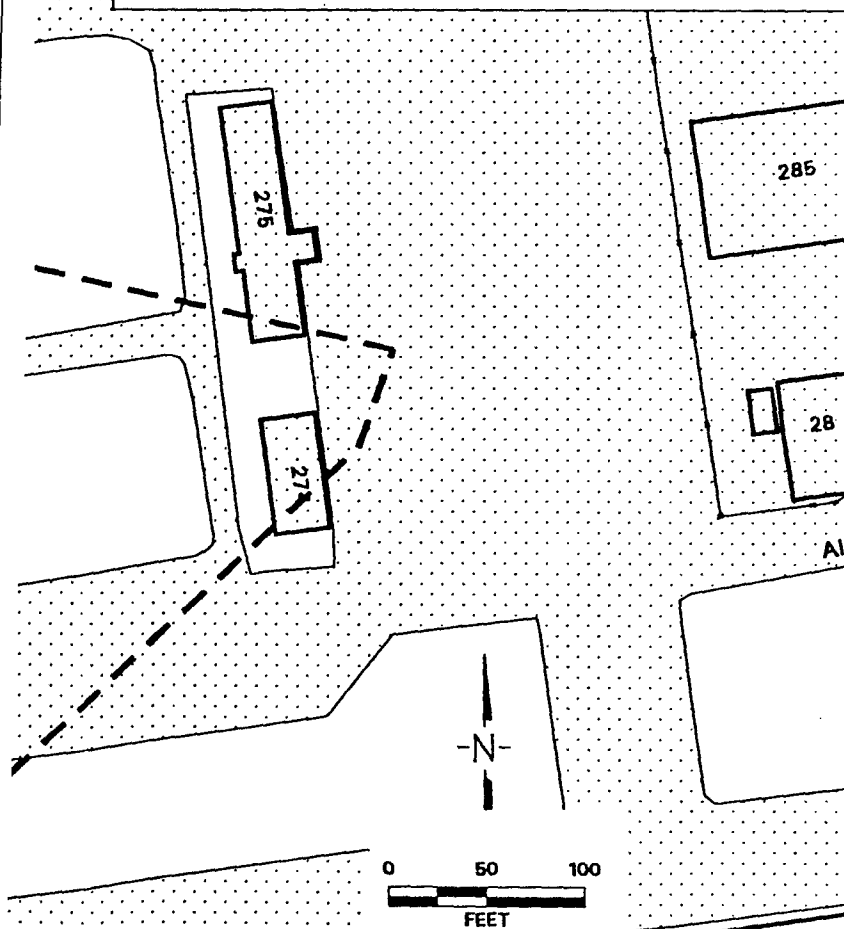
Date: January 1997

Fig

EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.
2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.
3. (F) INDICATES FILTERED SAMPLE.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



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1185

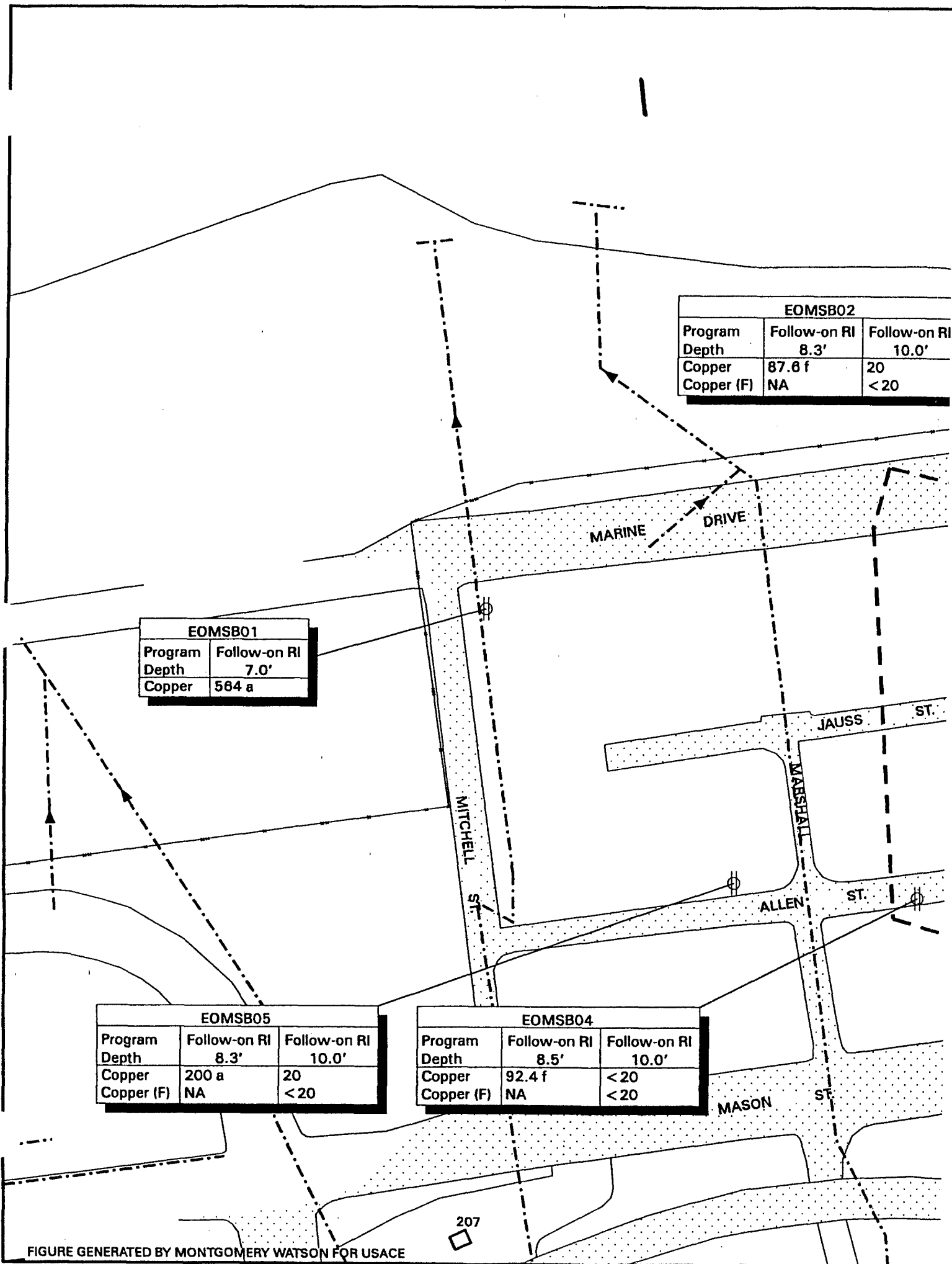
1184

**MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF CHROMIUM IN GROUNDWATER**

PSF26482

Date: January 1997

Figure 14.7-14



EXPLANATION

SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW

SURFACES COVERED BY
PAVEMENT OR BUILDINGS

NOTES: 1. ALL CONCENTRATIONS REPORTED

2. DATA FOOTNOTE AND LITHOLOGY
ARE INCLUDED AT THE END OF THIS
SECTION.

3. (F) INDICATES FILTERED SAMPLE

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATION
BY MONTGOMERY WATSON.

EOMSB02

Follow-on RI	Follow-on RI
8.3'	10.0'
f	20
	< 20

DEH FIRING RANGE*

JAUSS ST.

JAVOWITZ ST.

ST.

EOMSB03

Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Copper	306 a	< 20
Copper (F)	NA	< 20

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DAMES & MOORE

MISCELLANEOUS FOLLOW-UP
EAST OF MASON
CONCENTRATIONS OF COPPER IN (

PSF26484

Date: January 1997:

Figure

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EXPLANATION

SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

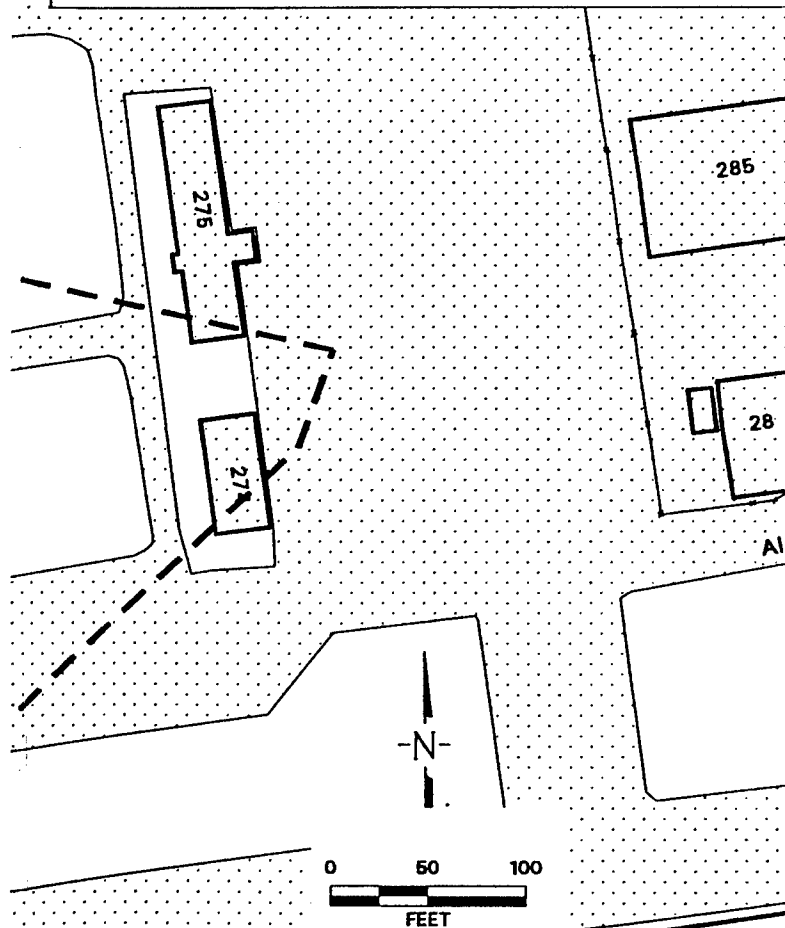
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF COPPER IN GROUNDWATER

PSF26484

Date: January 1997:

Figure 14.7-15

EOMSB02		
Program	Follow-on RI	Follow-on
Depth	8.3'	10.0'
Lead	42.4	< 5
Lead (F)	NA	< 5




EOMSB01	
Program	Follow-on RI
Depth	7.0'
Lead	26.5

EOMSB05		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Lead	100 a	< 5
Lead (F)	NA	< 5

EOMSB04		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Lead	37.4	< 5
Lead (F)	NA	< 5

2

EXPLANATION

-  SOIL BORING WITH GROUNDWATER SAI
 STORM DRAIN WITH FLOW DIRECTION
 SURFACES COVERED WITH PAVEMENT OR BUILT-UP

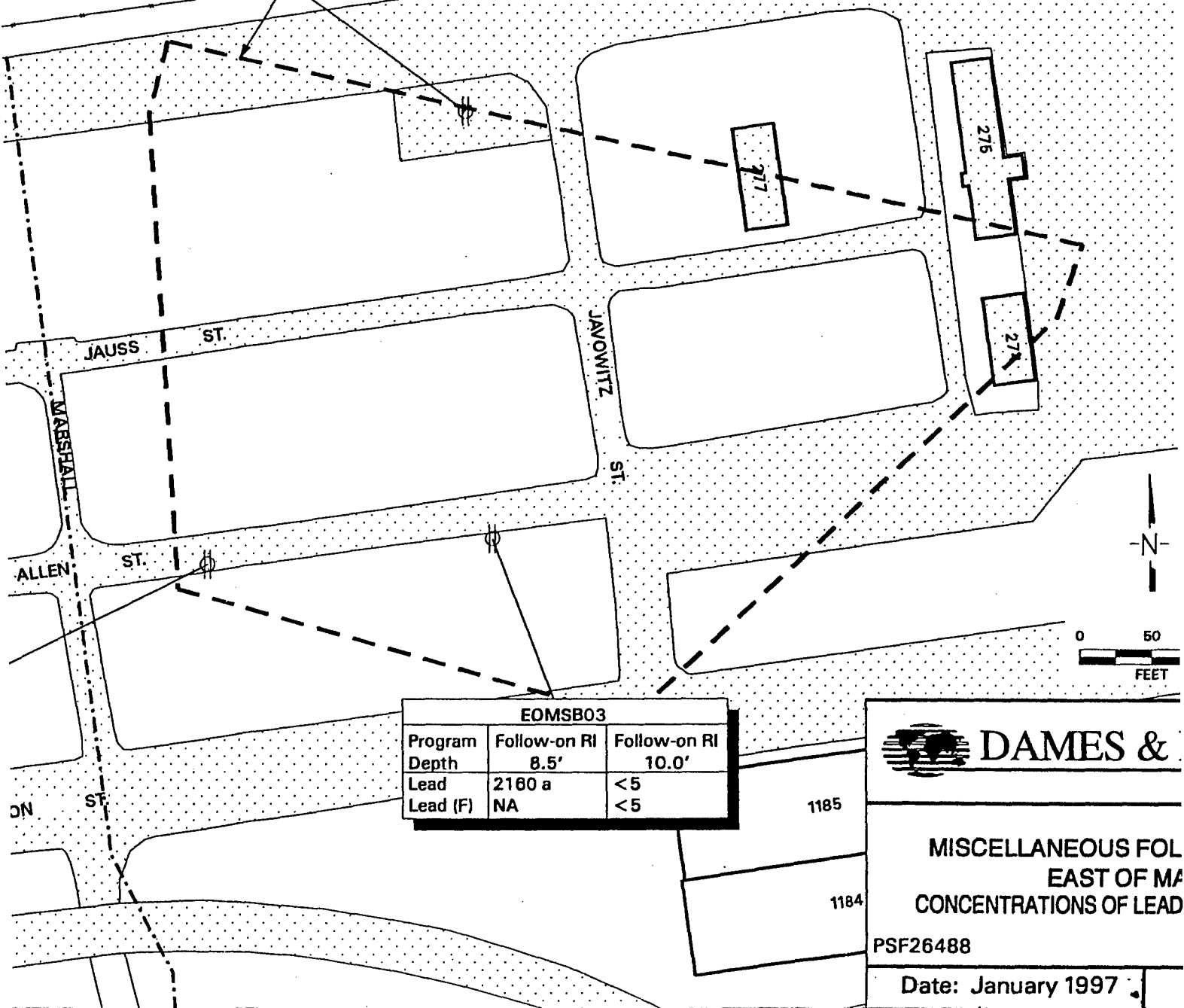
- NOTES: 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER GRAM (PPM).
2. DATA FOOTNOTE AND COMMENTS ARE INCLUDED AT THE END OF EACH SECTION.
3. (F) INDICATES FILTERED.
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON

SAN FRANCISCO BAY

EOMSB02

Follow-on RI	Follow-on RI
8.3'	10.0'
42.4	< 5
NA	< 5

DEH FIRING RANGE*



EOMSB03

Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Lead	2160 a	< 5
Lead (F)	NA	< 5

 DAMES & MOHR

MISCELLANEOUS FOLIO
EAST OF MARSHALL
CONCENTRATIONS OF LEAD

PSF26488

Date: January 1997

EXPLANATION

SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

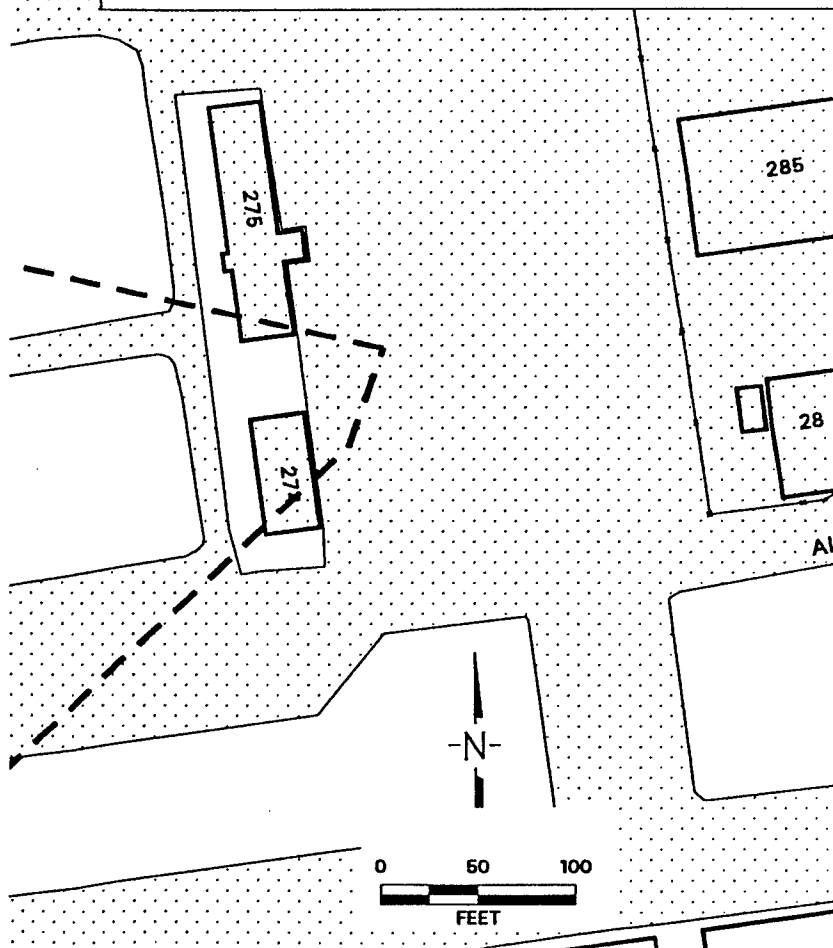
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.



DAMES & MOORE

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**MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF LEAD IN GROUNDWATER**

PSF26488

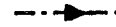
Date: January 1997

Figure 14.7-16

EOMSB01		
Program	Follow-on RI	
Depth	7.0'	
Manganese	2100	
Manganese (F)		

EOMSB02		
Program	Follow-on RI	
Depth	8.3'	10.0'
Manganese	6320 f	890
Manganese (F)	NA	320

EOMSB05			EOMSB04		
Program	Follow-on RI	Follow-on RI	Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'	Depth	8.5'	10.0'
Manganese	1850 f	1400	Manganese	1700 f	790
Manganese (F)	NA	380	Manganese (F)	NA	250

EXPLANSOIL BORING WITH
GROUNDWATER SA

STORM DRAIN WITH

SURFACES COVERED
PAVEMENT OR BUILT

NOTES: 1. ALL CONCENTRATION

2. DATA FOOTNOTE AND
ARE INCLUDED AT THE E
SECTION.

3. (F) INDICATES FILTERED

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS
BY MONTGOMERY WATTS**EOMSB02**

Follow-on RI	Follow-on RI
8.3'	10.0'
6320 f	890
NA	320

DEH FIRING RANGE*

JAUSS ST.

JANOWITZ ST.

ALLEN ST.

SON ST.

EOMSB03

Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Manganese	3480 f	660
Manganese (F)	NA	< 50

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
**DAMES &**MISCELLANEOUS FO
EAST OF M
CONCENTRATIONS OF MANGA

PSF26490

Date: January 1997



EXPLANATION

-  SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
-  STORM DRAIN WITH FLOW DIRECTION
-  SURFACES COVERED BY PAVEMENT OR BUILDINGS

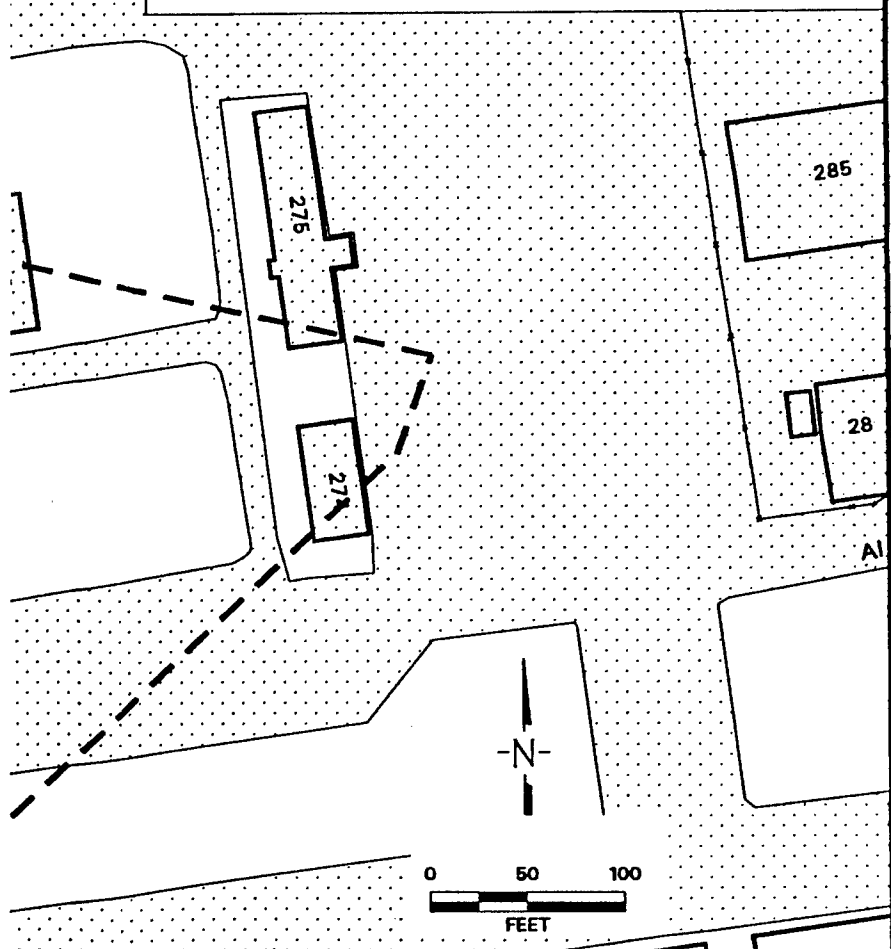
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS ARE INCLUDED AT THE END OF THIS FIGURES SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED BY MONTGOMERY WATSON.



DAMES & MOORE

MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF MANGANESE IN GROUNDWATER

PSF26490

Date: January 1997

Figure 14.7-17

EOMSB02		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Nickel	574 a	150
Nickel (F)	NA	30

EOMSB01	
Program	Follow-on RI
Depth	7.0'
Nickel	772 a

EOMSB05		
Program	Follow-on RI	Follow-on RI
Depth	8.3'	10.0'
Nickel	1210 a	470
Nickel (F)	NA	< 20

EOMSB04		
Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Nickel	1320 a	280
Nickel (F)	NA	< 20

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FIGURE GENERATED BY MONTGOMERY WATSON FOR USACE

2

EXPLANATION

SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE

STORM DRAIN WITH FLOW

SURFACES COVERED BY PAVEMENT OR BUILDINGS

- NOTES: 1. ALL CONCENTRATIONS REPORTED
2. DATA FOOTNOTE AND LITHOLOGY ARE INCLUDED AT THE END OF THIS SECTION.
3. (F) INDICATES FILTERED SAMPLE
4. NA = NOT ANALYZED
5. * ADDITIONAL INVESTIGATION BY MONTGOMERY WATSON.

SAN FRANCISCO BAY

EOMSB02	
Follow-on RI	10.0'
Depth	3.3'
Nickel (F)	150
Nickel (F)	30

DEH FIRING RANGE*

JAUSS ST.

JANOWITZ ST.

ST.

EOMSB03

Program	Follow-on RI	Follow-on RI
Depth	8.5'	10.0'
Nickel	1520 a	530
Nickel (F)	NA	< 20



DAMES & MOORE

MISCELLANEOUS FOLLOW-UP
EAST OF MASO
CONCENTRATIONS OF NICKEL IN

PSF26486

Date: January 1997

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3

EXPLANATION



SOIL BORING WITH DISCRETE
GROUNDWATER SAMPLE



STORM DRAIN WITH FLOW DIRECTION



SURFACES COVERED BY
PAVEMENT OR BUILDINGS

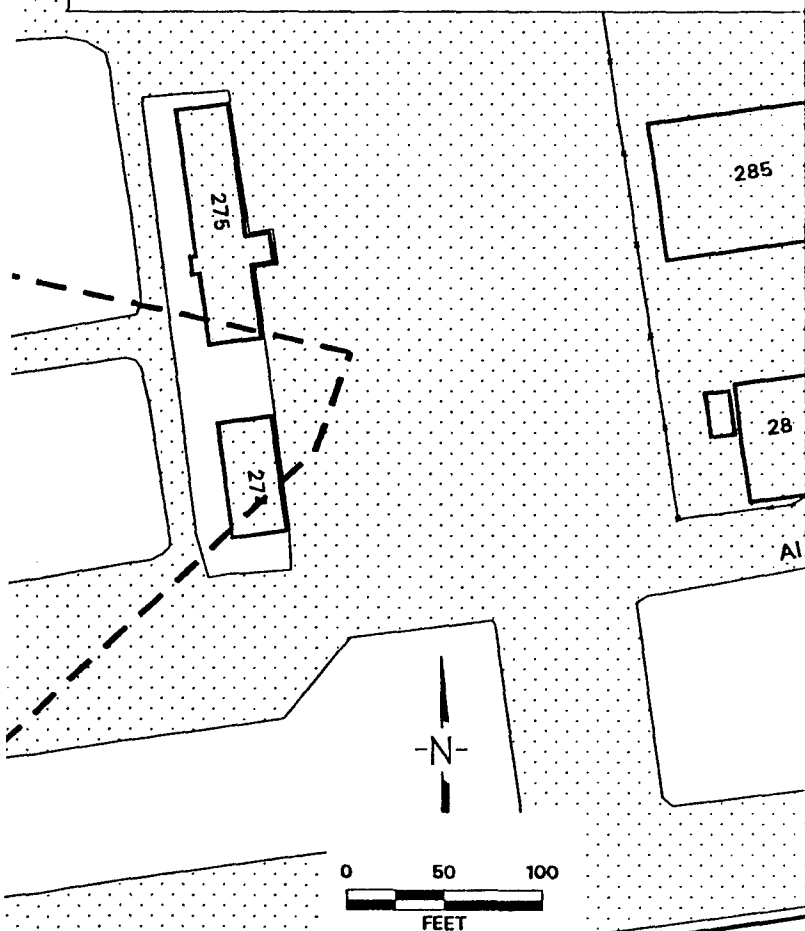
NOTES: 1. ALL CONCENTRATIONS REPORTED AS $\mu\text{g/L}$.

2. DATA FOOTNOTE AND LITHOLOGY KEYS
ARE INCLUDED AT THE END OF THIS FIGURES
SECTION.

3. (F) INDICATES FILTERED SAMPLE.

4. NA = NOT ANALYZED

5. * ADDITIONAL INVESTIGATIONS PERFORMED
BY MONTGOMERY WATSON.



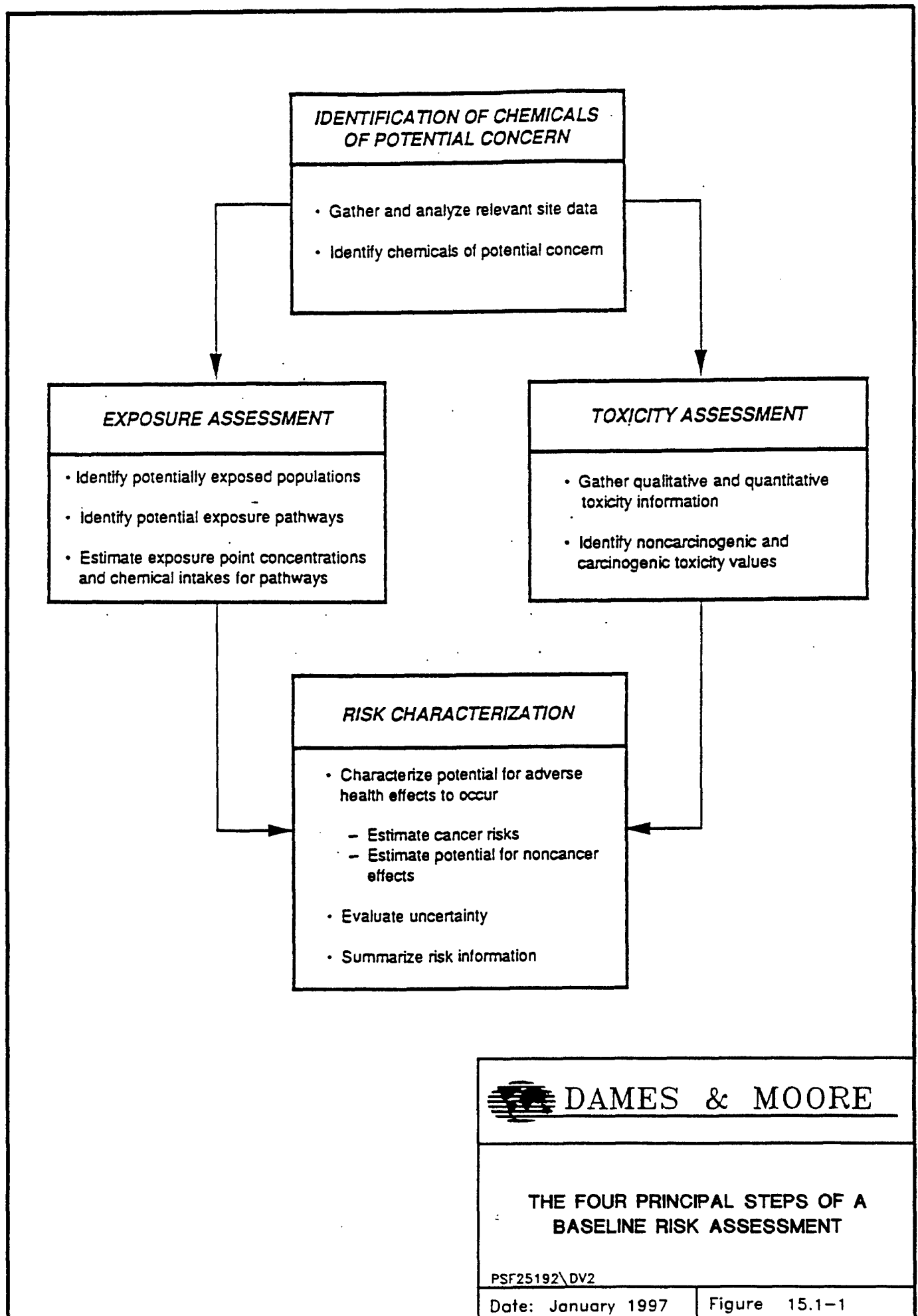
DAMES & MOORE

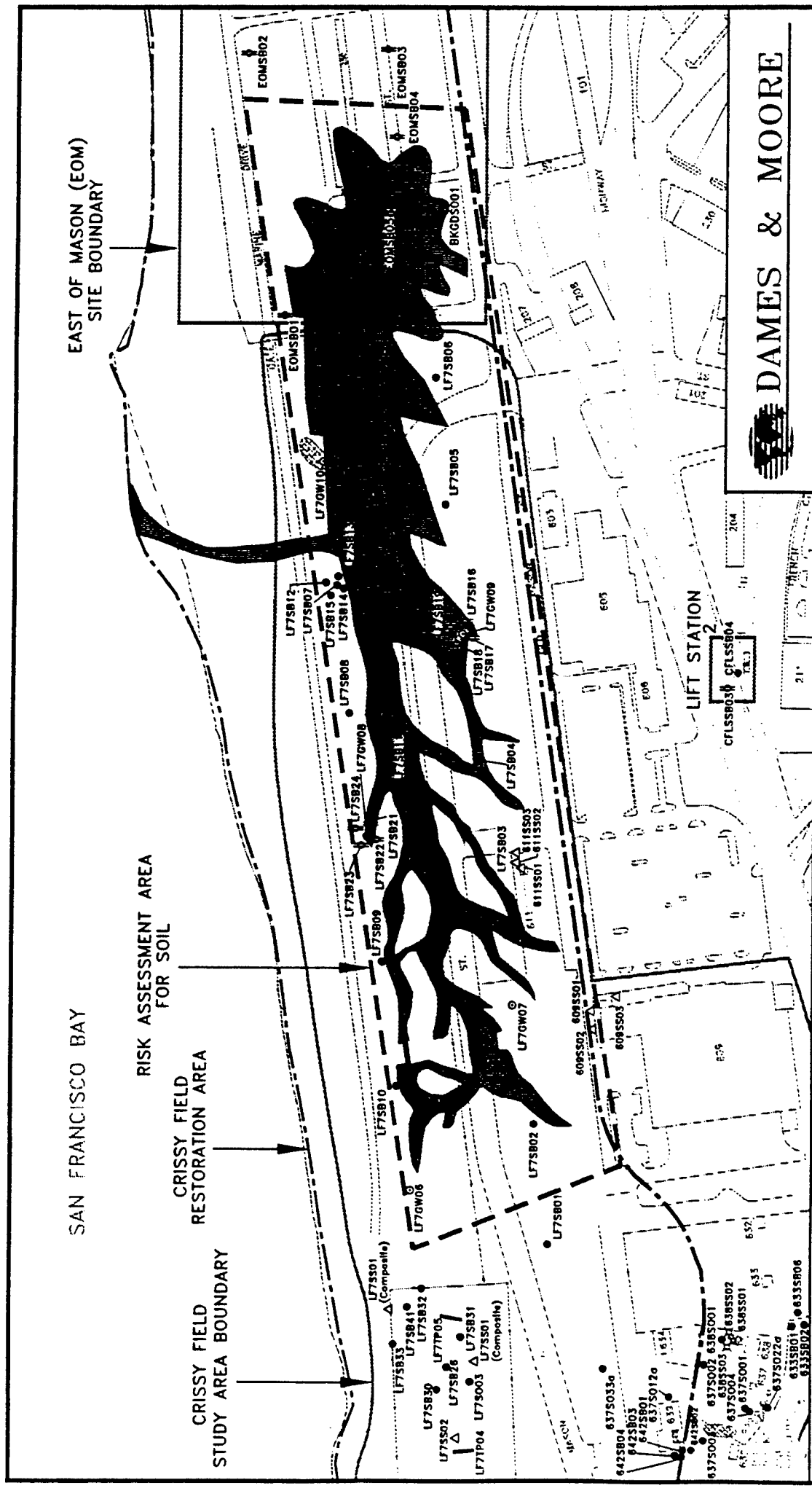
MISCELLANEOUS FOLLOW-ON SITES
EAST OF MASON
CONCENTRATIONS OF NICKEL IN GROUNDWATER

PSF26486

Date: January 1997

Figure 14.7-18





DAMES & MOORE

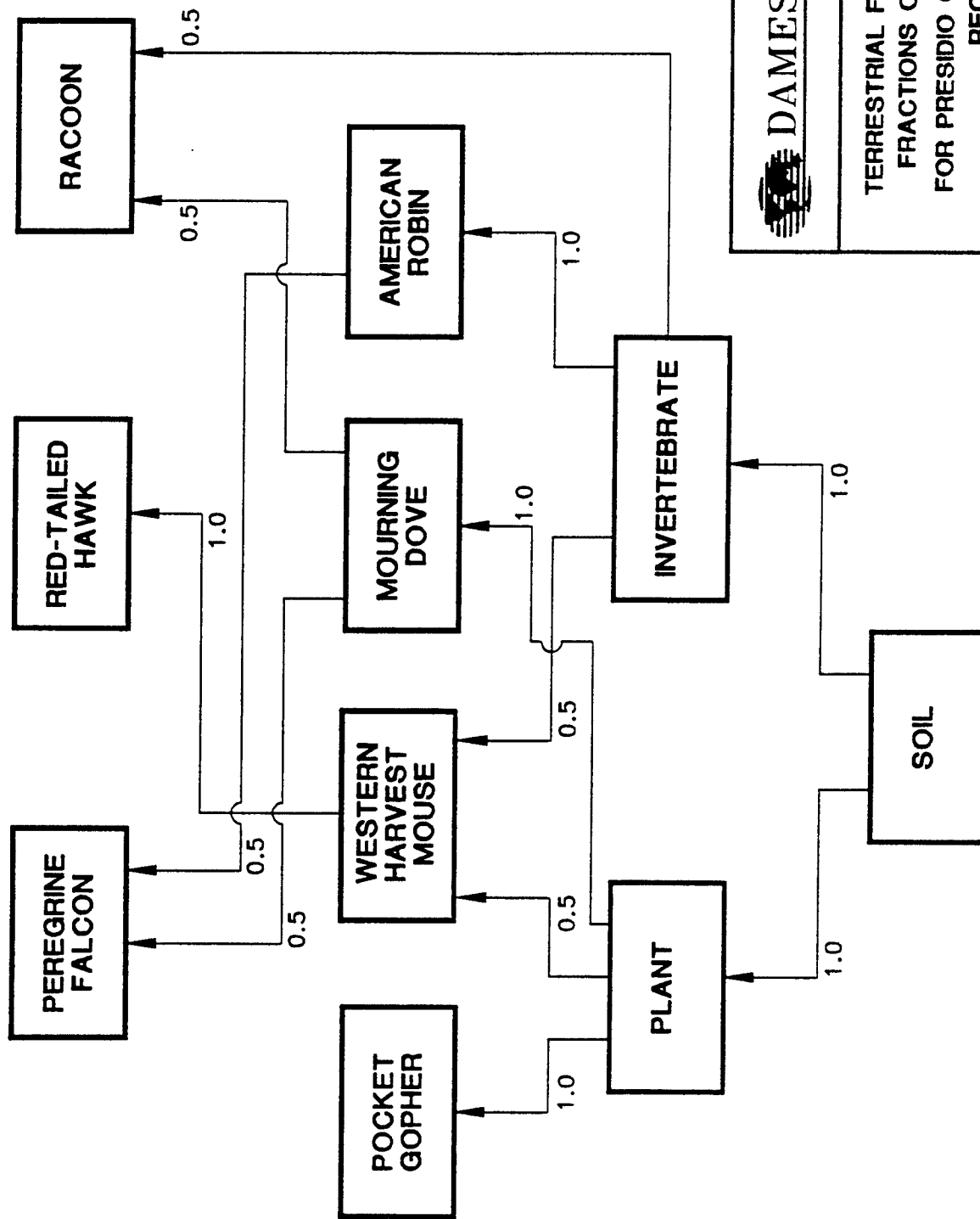
**CRISSY FIELD WETLANDS RESTORATION
AREA-SURFACE SOIL AND
SOIL BORING SAMPLE LOCATIONS WITHIN
RISK ASSESSMENT AREA**


PSF25199\DV1

Date: January 1997 Figure 15.1-2

EXPLANATION

- / TEST PIT
- SOIL BORING
- SOIL BORING WITH DISCRETE GROUNDWATER SAMPLE
- MONITORING WELL WITH SOIL SAMPLES
- MONTGOMERY WATSON SOIL BORING (MONT. WATSON, 1994)
- △ SURFACE SOIL SAMPLE
- ✕ SURFACE SOIL SAMPLE FROM PAVED SURFACE
- ◉ STAINED AREAS
- TIDAL MARSH



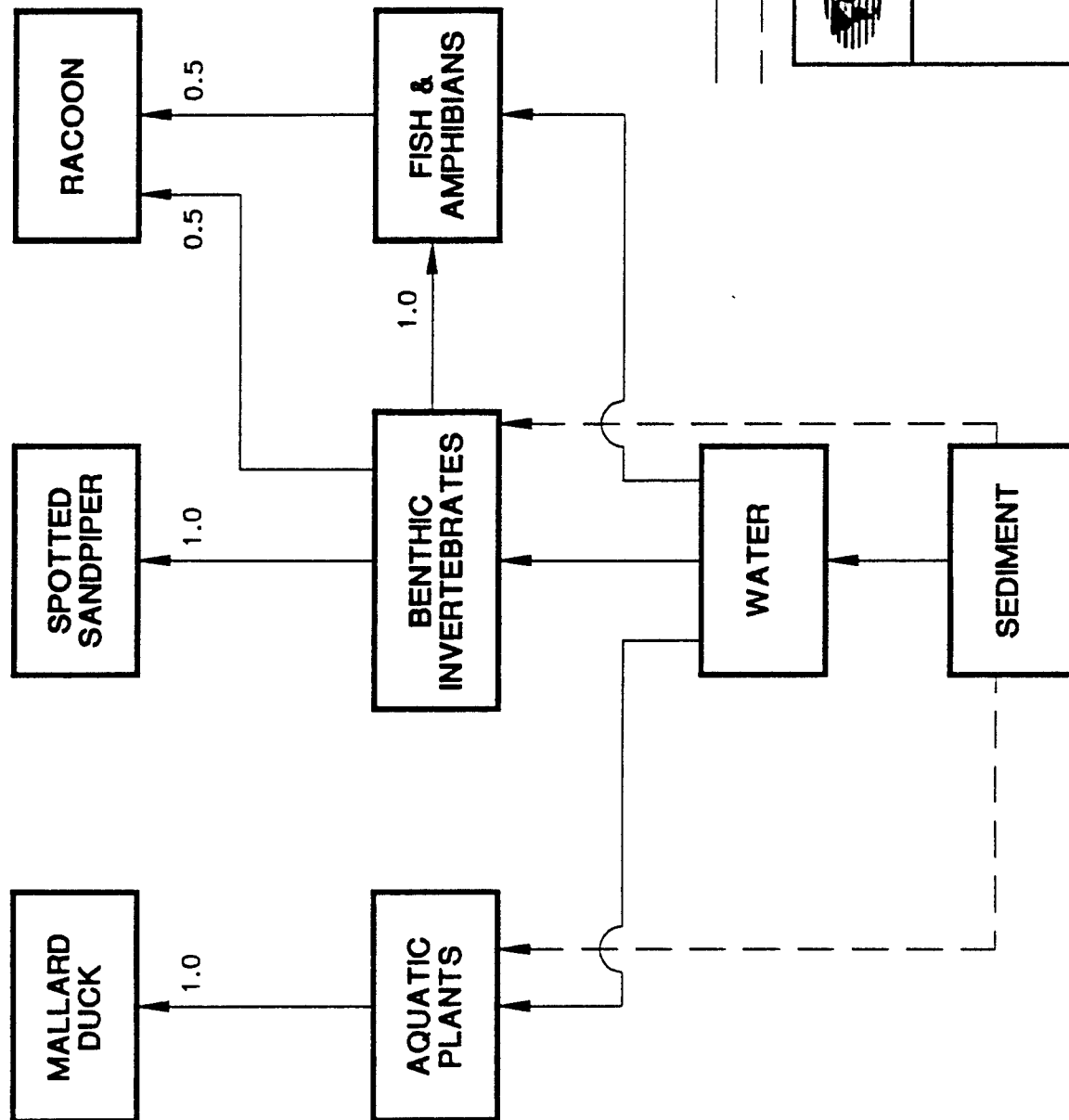
 **DAMES & MOORE**

**TERRESTRIAL FOOD WEB SHOWING
FRACTIONS OF DIETARY ITEMS
FOR PRESIDIO OF SAN FRANCISCO
RECEPTORS**

PSF25197\DV2

Date: January 1997

Figure 15.2-1



EXPLANATION

— QUANTITATIVELY ADDRESSED

- - - NOT QUANTITATIVELY ADDRESSED

DAMES & MOORE

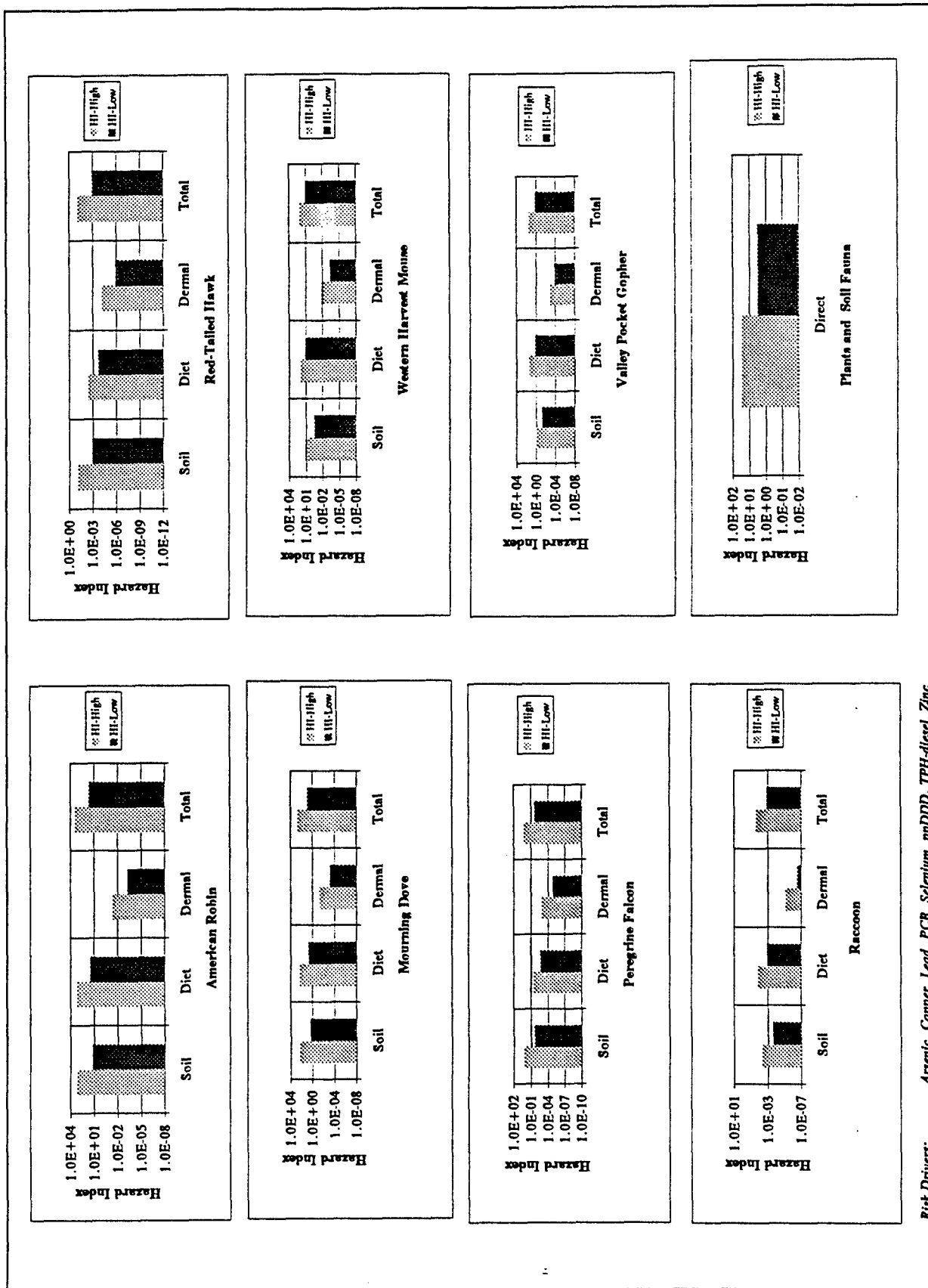
**AQUATIC FOOD WEB SHOWING
FRACTIONS OF DIETARY ITEMS
FOR PRESIDIO OF SAN FRANCISCO
RECEPTORS**

PSF25198\DV2

Date: January 1997

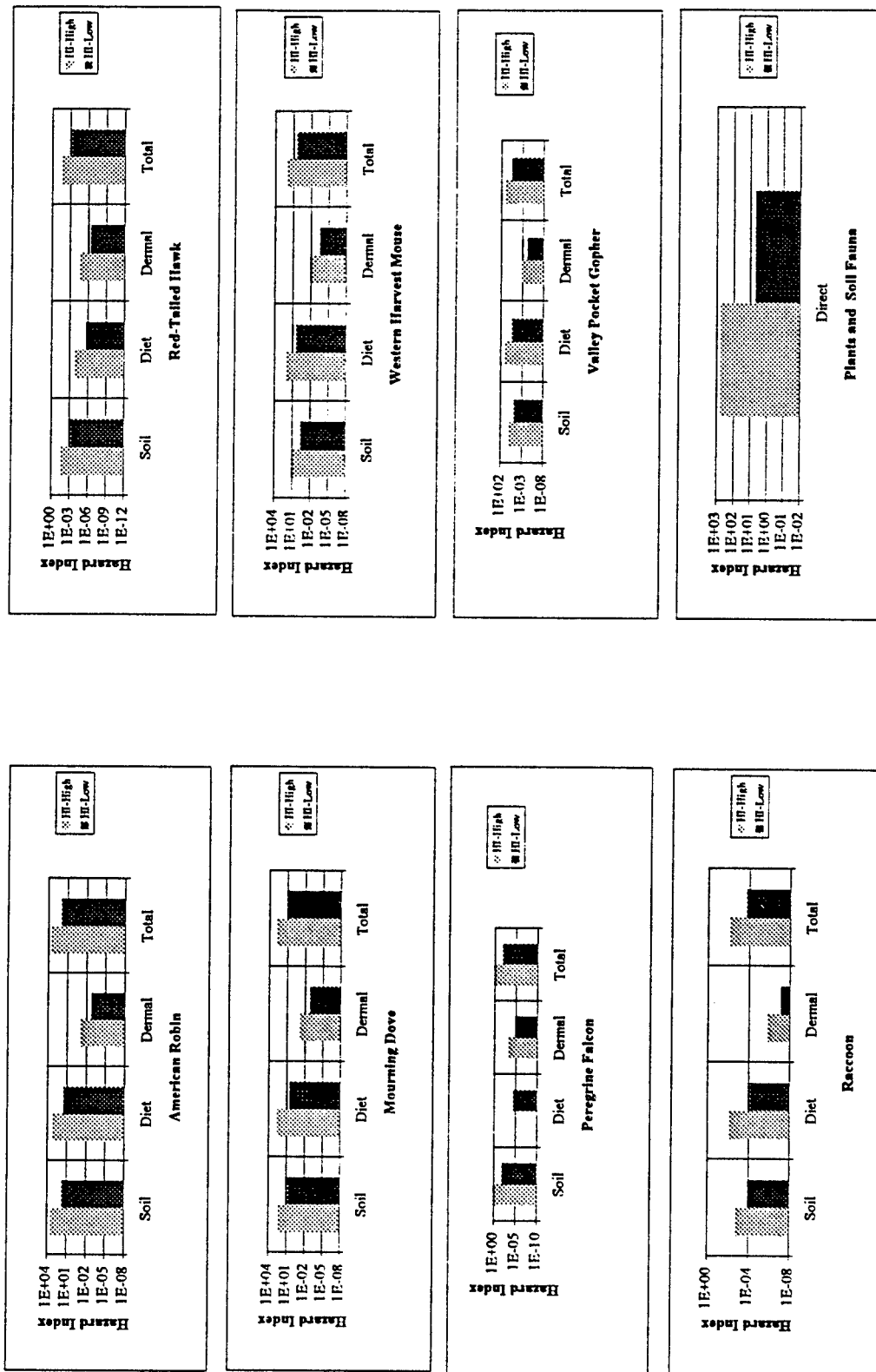
Figure 15.2-2

Figure 15.2-3 Hazard Indices for the Nike Facility



Risk Drivers: Arsenic, Copper, Lead, PCB, Selenium, ppDDD, TPH-diesel, Zinc

Figure 15.2-5 Hazard Indices for Buildings 640 and 643, Consolidated Motor Pool Area, Crissy Field Study Area



Risk Drivers: Barium, Cadmium, Chromium, Cobalt, Nickel, Lead, TPH, Zinc

Figure 15.2.4 Hazard Indices for Modeled Aquatic Exposures South of the Nike Facility

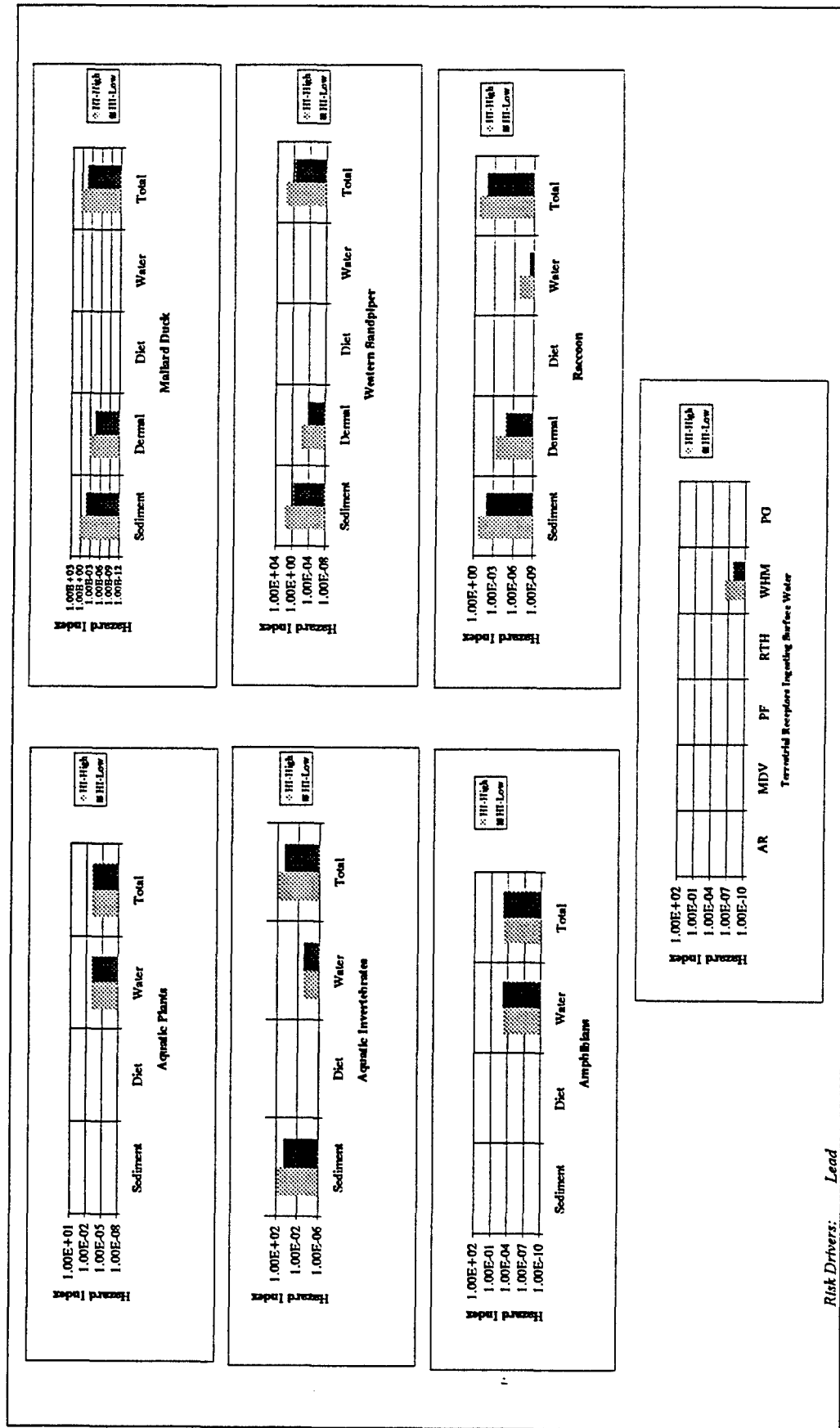
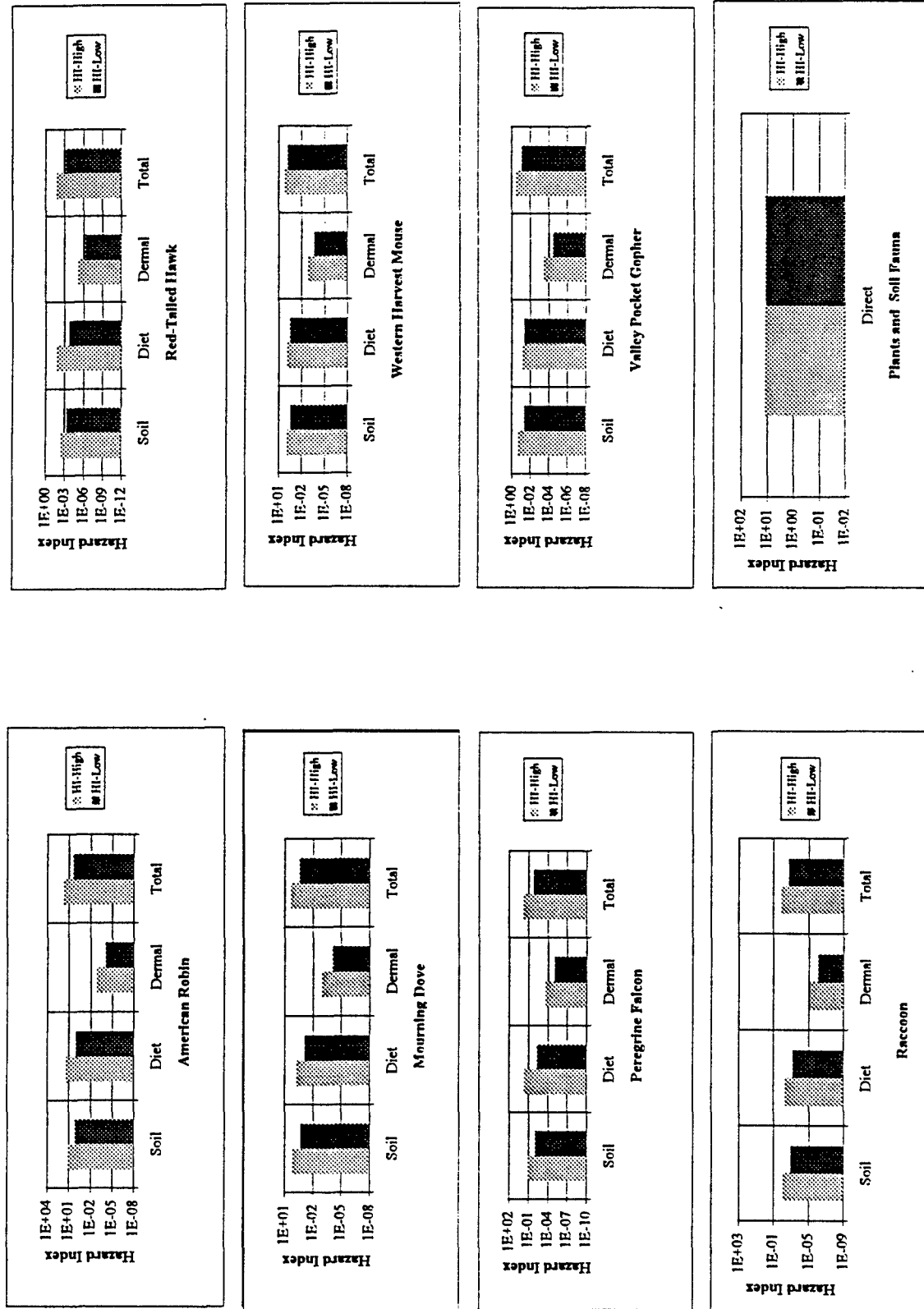


Figure 15.2-7 Hazard Indices for the Fill Site 7/East of Mason Shoreline Area



Risk Drivers:

Antimony, Barium, Copper, Manganese, ppDDT

Figure 15.2-8 Hazard Indices for Wetland Receptors Exposed to Soils in the Crissy Field Future Wetland Area

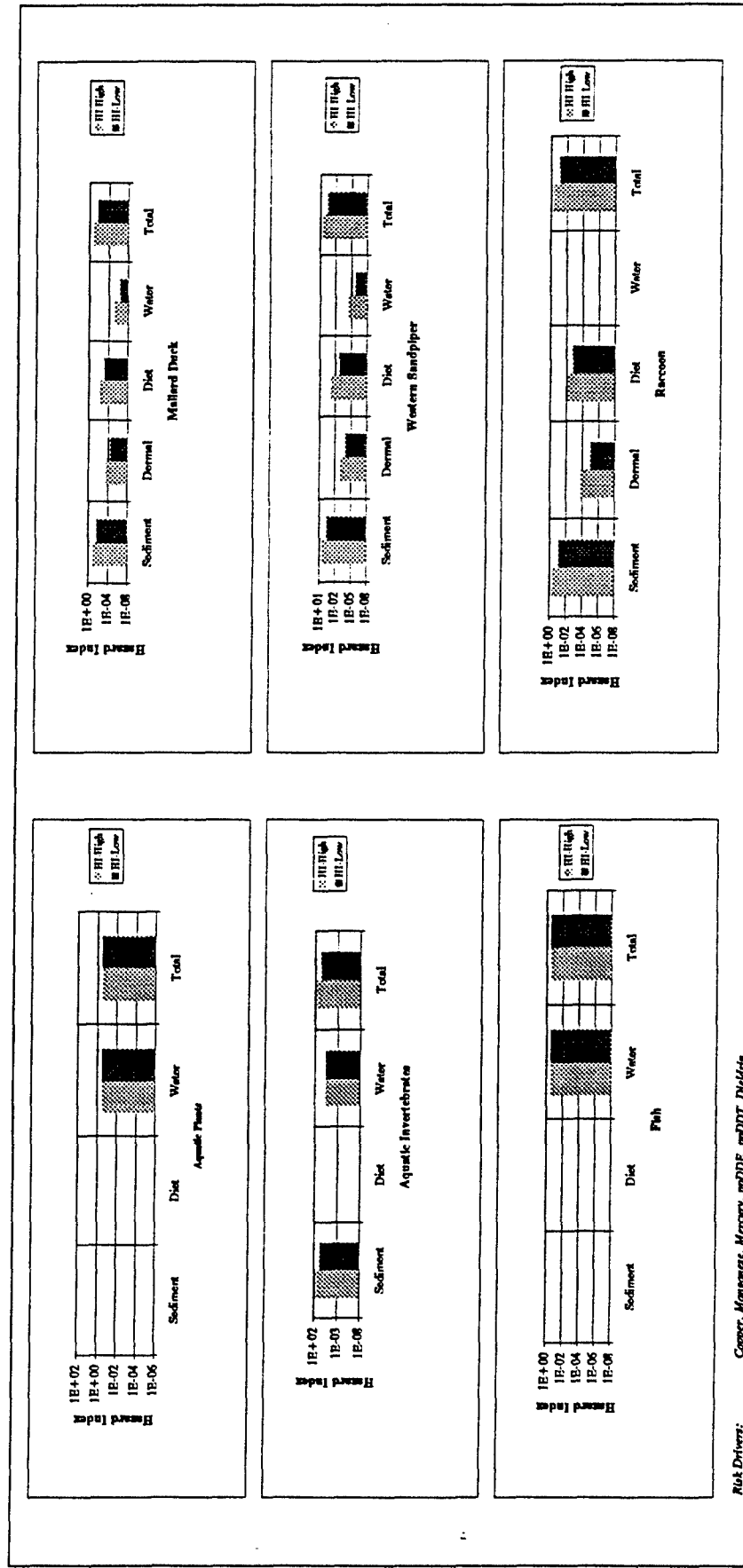
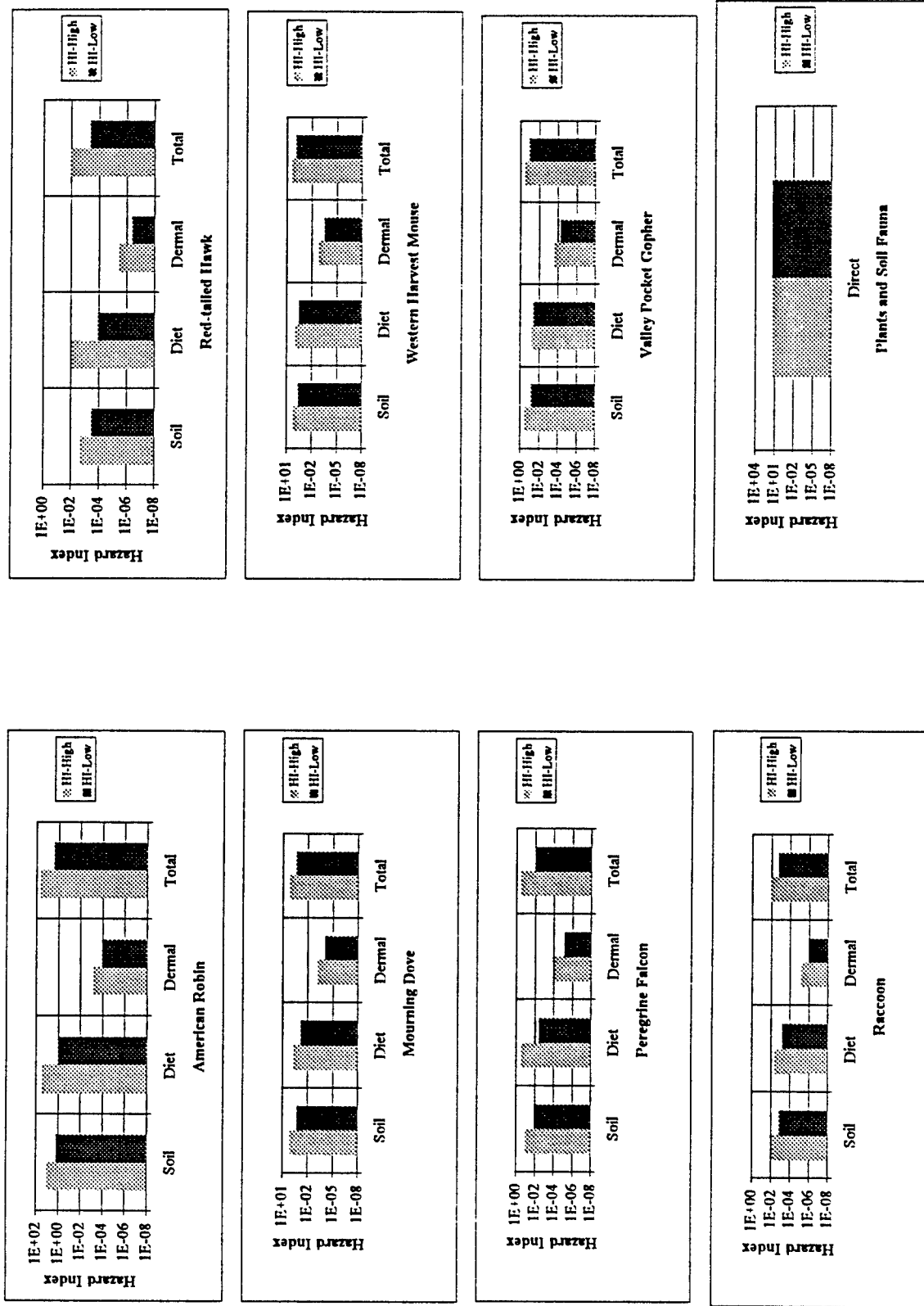


Figure 15.2-9 Hazard Indices for Terrestrial Receptors Exposed to Soils in the Crissy Field Future Wetland Area



Risk Drivers: Antimony, Copper, Manganese, Mercury, ppDDT

Figure 15.2-10a Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: Zero Dilution Scenario

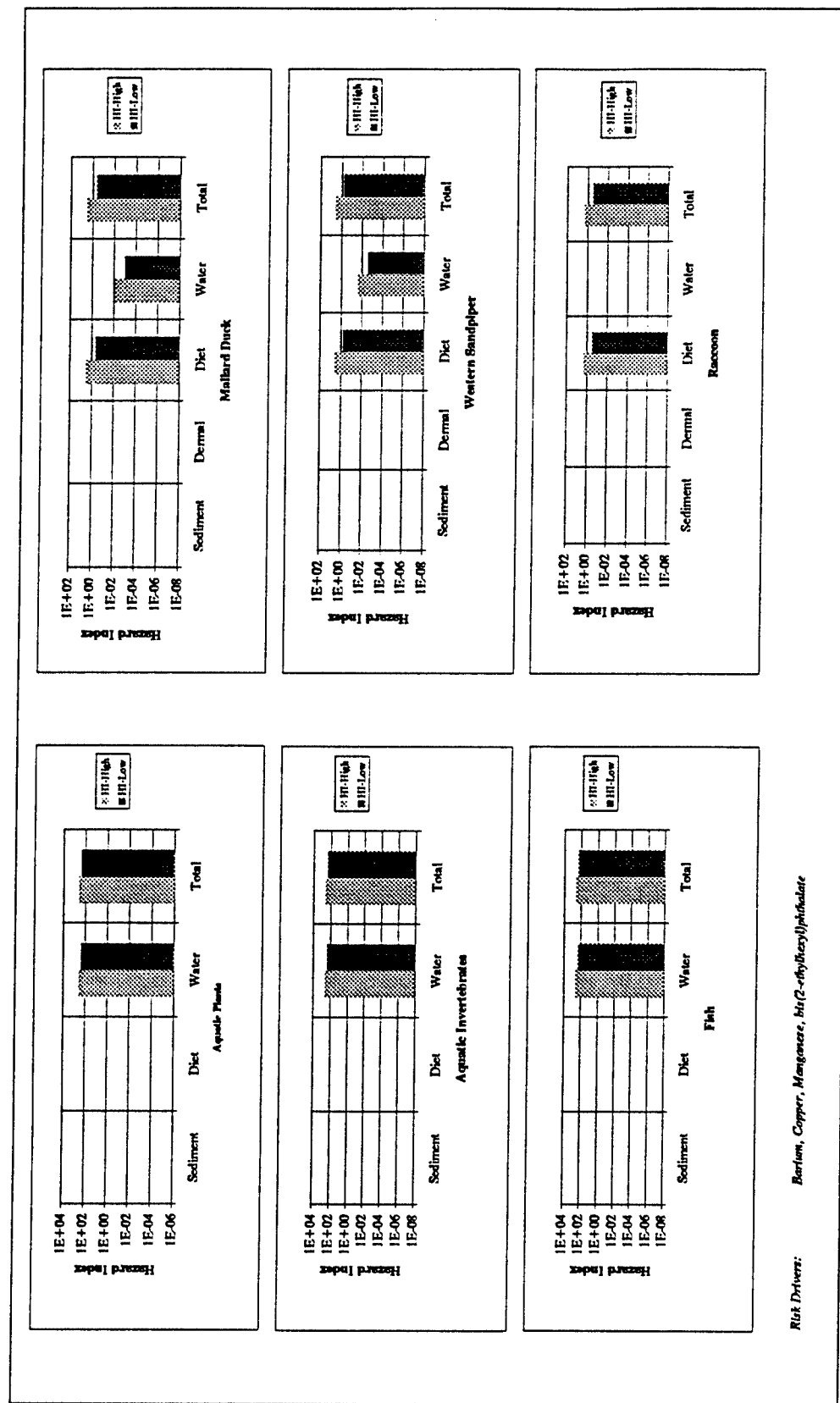


Figure 15.2-10b. Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: 50% Dilution Scenario

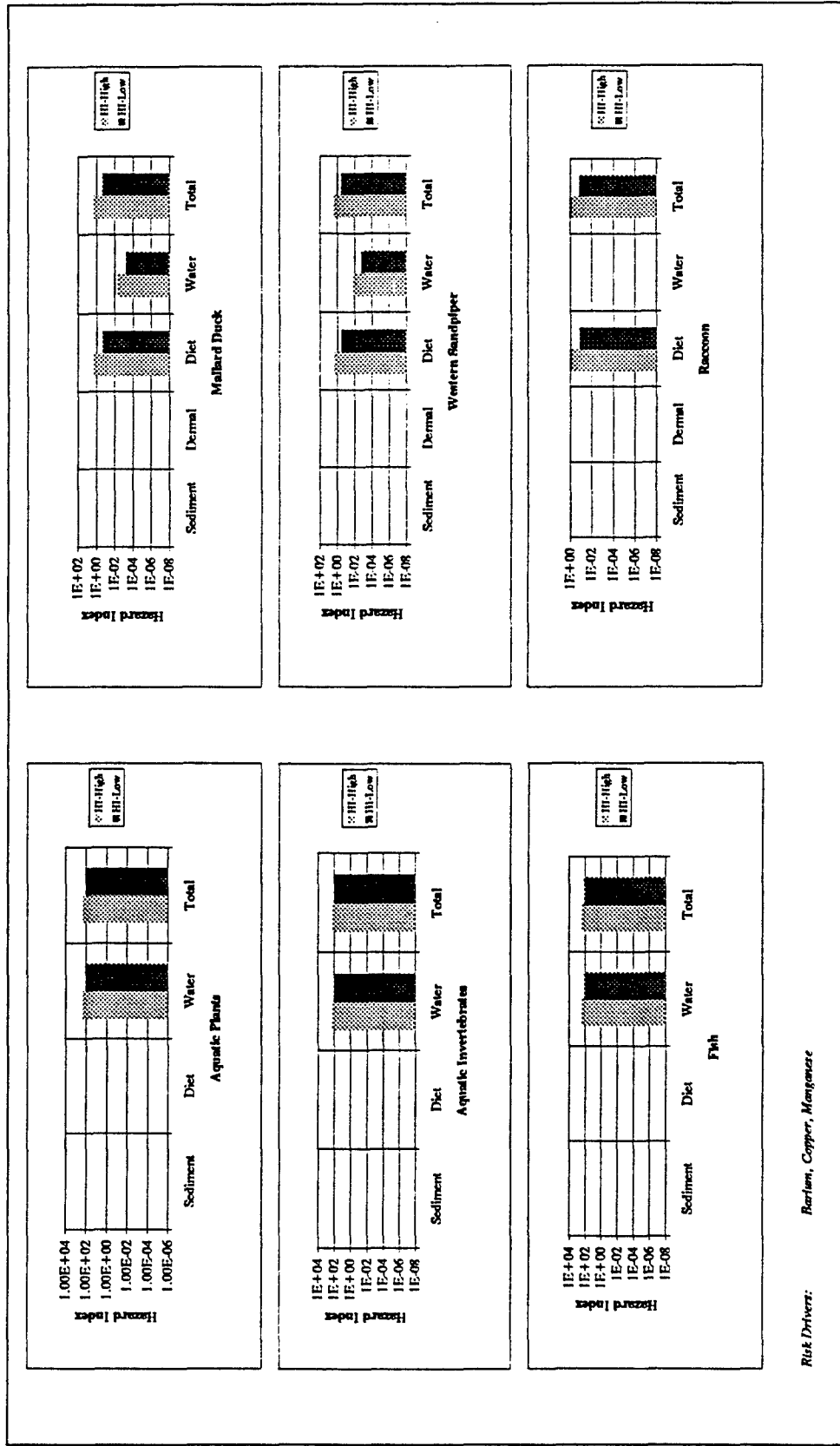
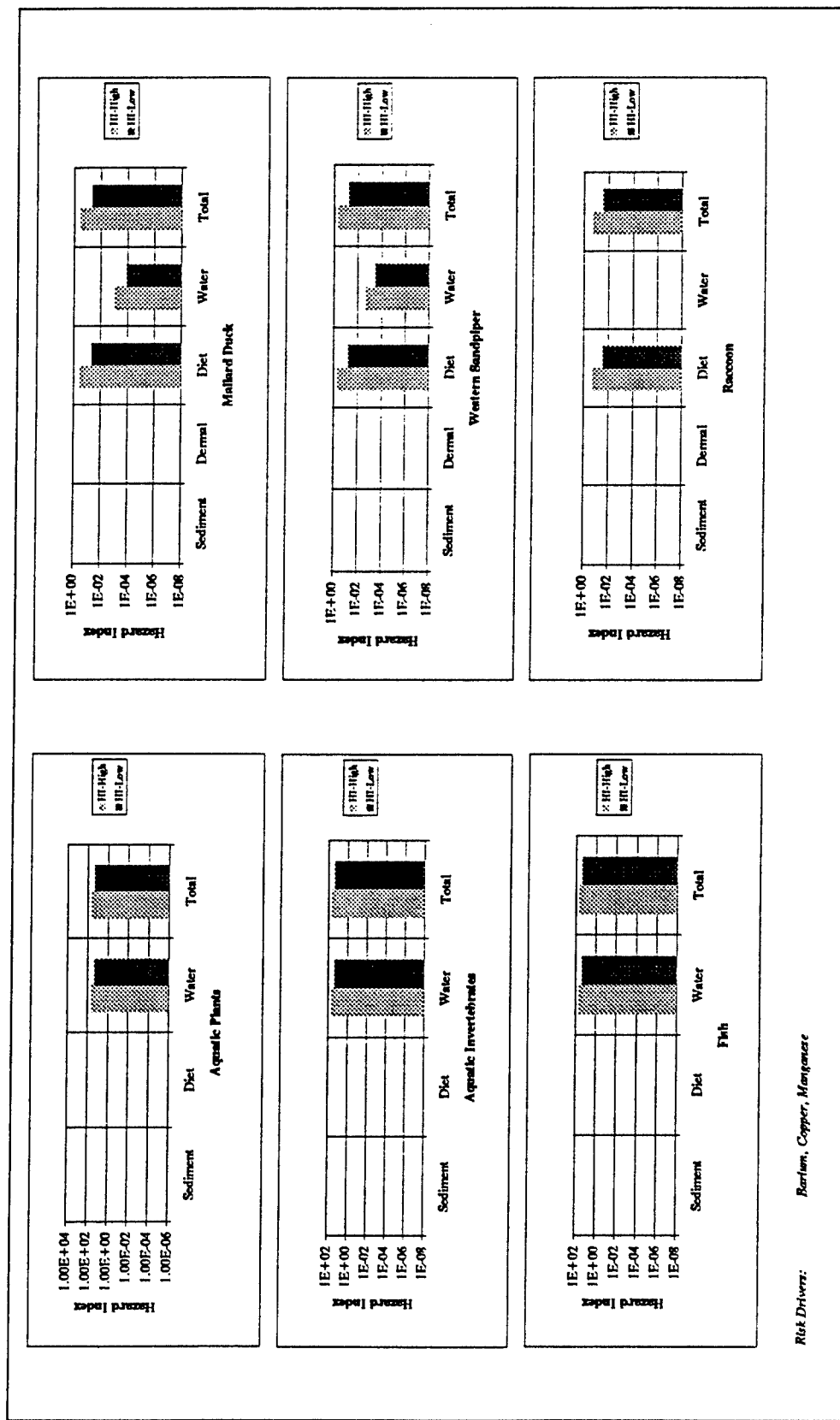
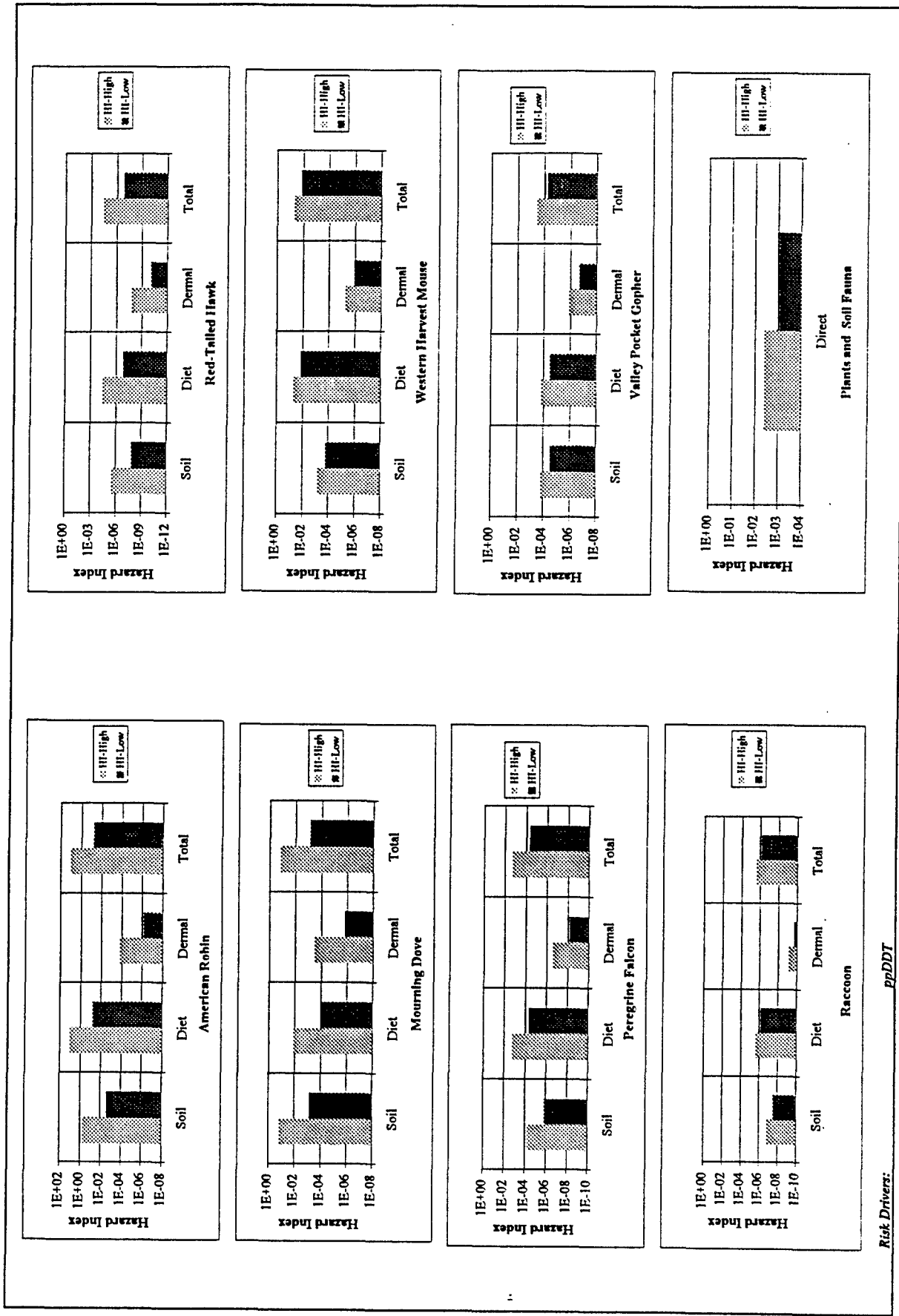


Figure 15.2-10c Hazard Indices for Water Exposure at the Crissy Field Future Wetland Area: 90% Dilution Scenario



Risk Drivers: Barium, Copper, Manganese

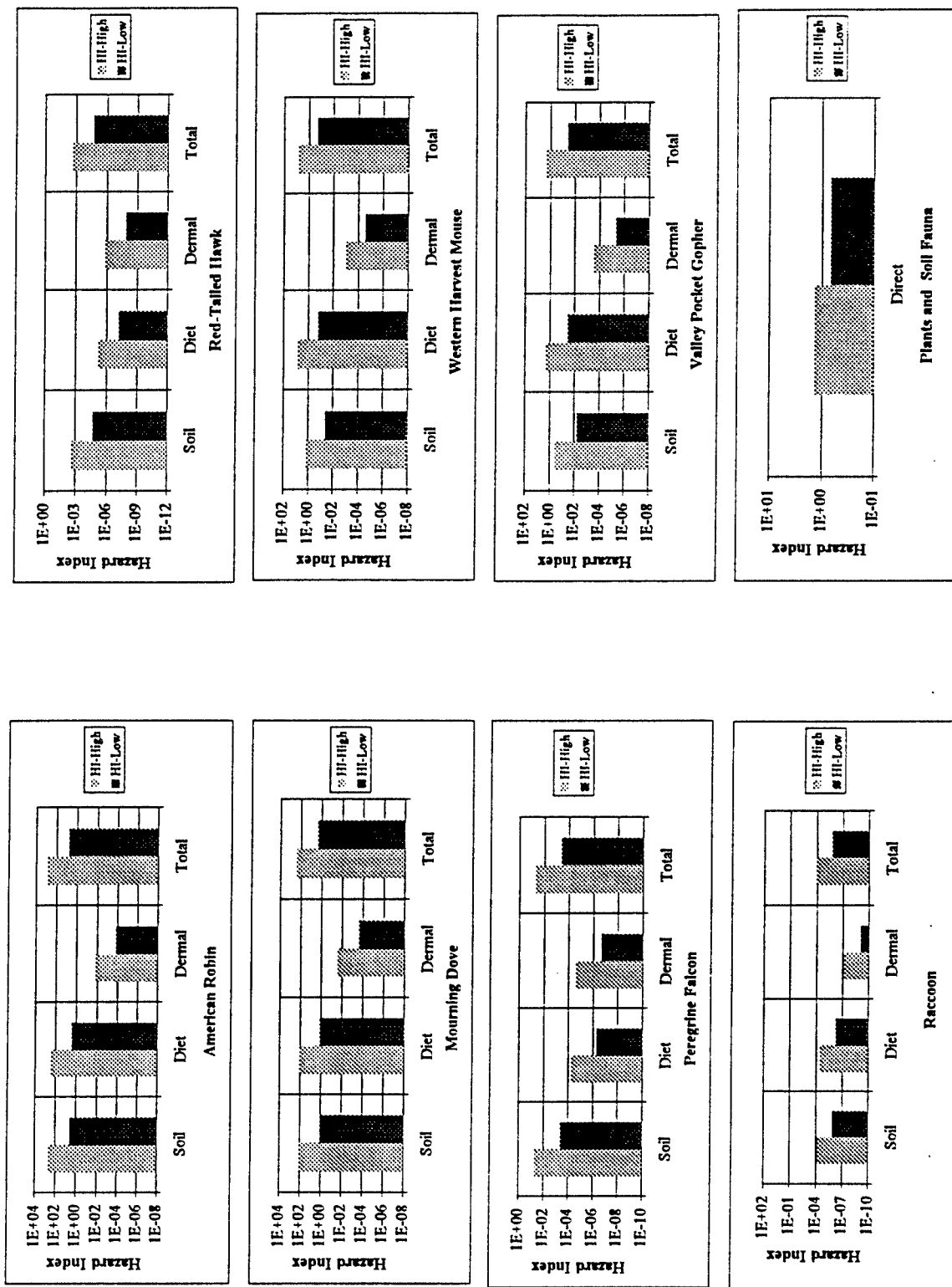
Figure 15.2-11 Hazard Indices for Building 609, Crissy Field Study Area



ppDDT

Risk Drivers:

Figure 15.2-12 Hazard Indices for Building 633, Crissy Field Study Area



Risk Drivers: Lead

Figure 15.2-13 Hazard Indices for Crissy Field Sewer Lift Station 1

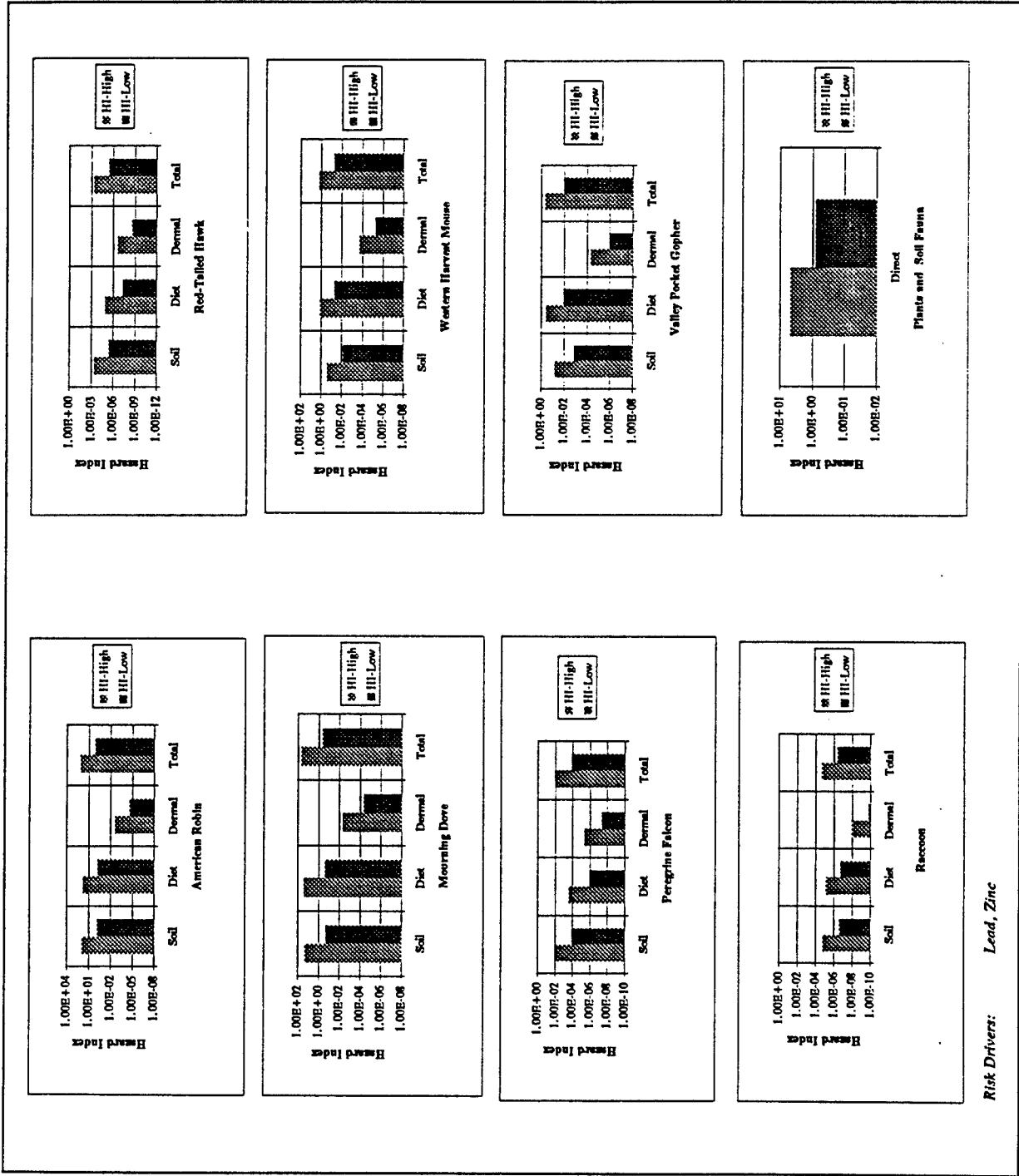


Figure 15.2-14 Hazard Indices for Crissy Field Sewer Lift Station 2

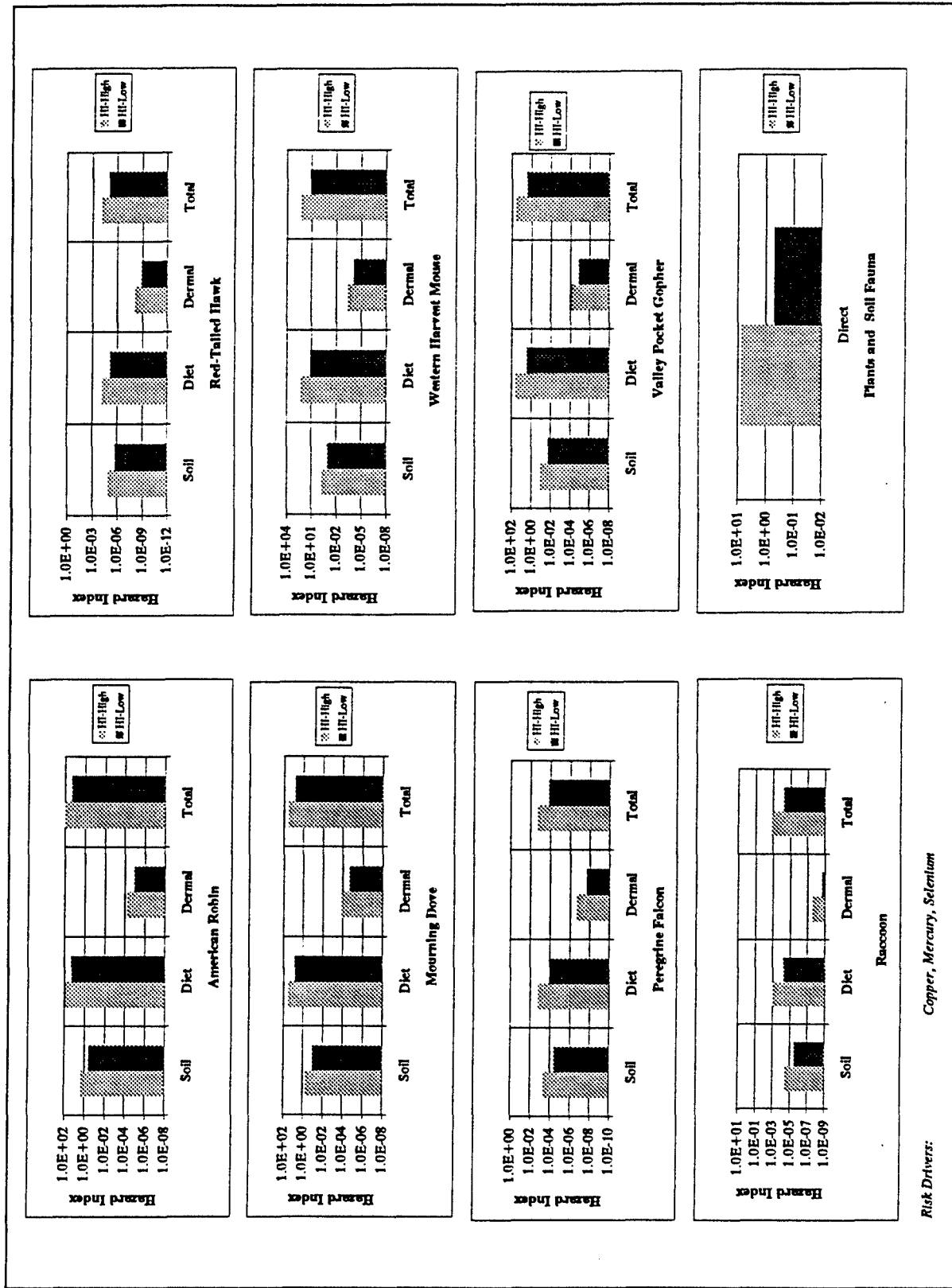


Figure 15.2-15 Hazard Indices for the Building 900s Series Study Area

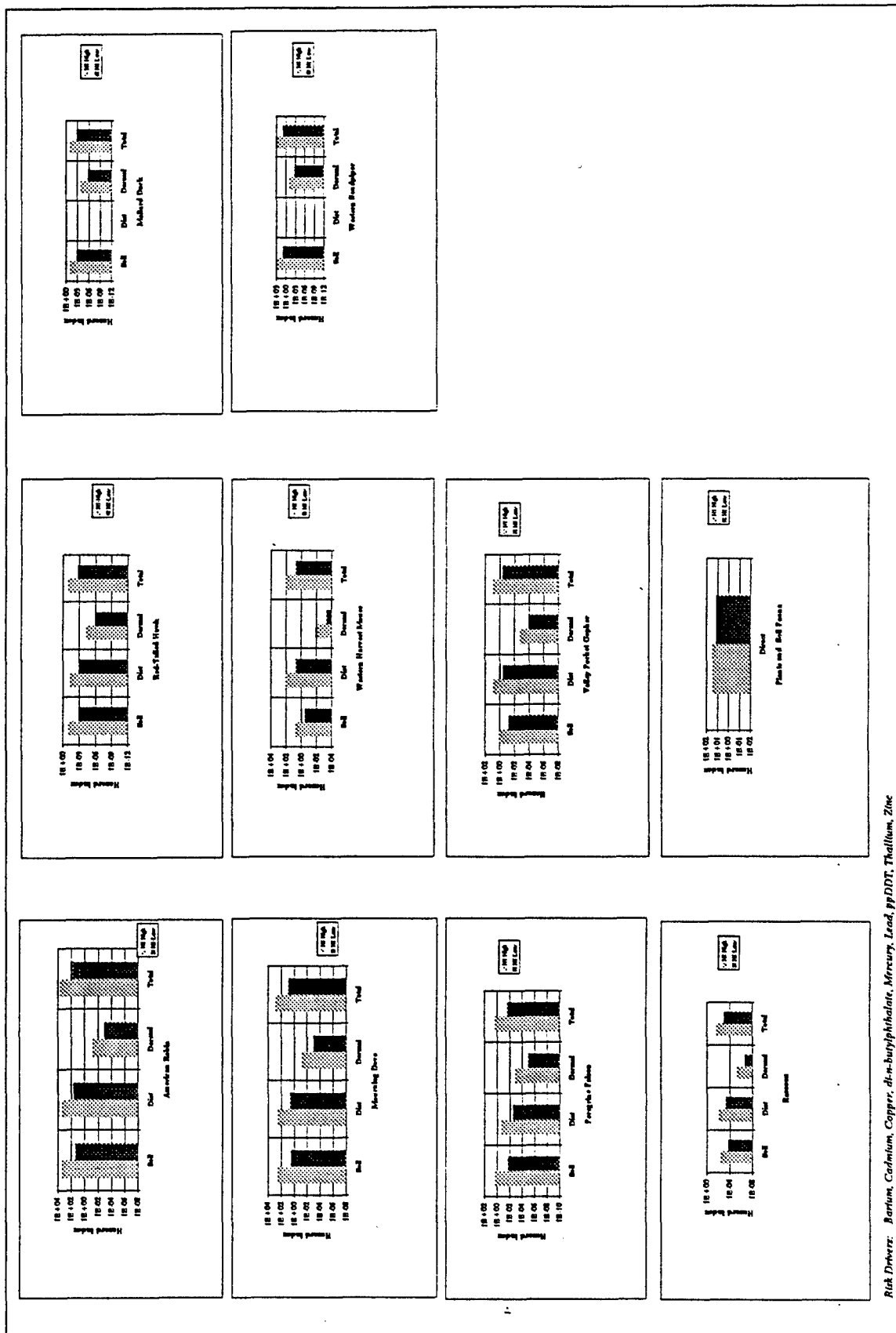
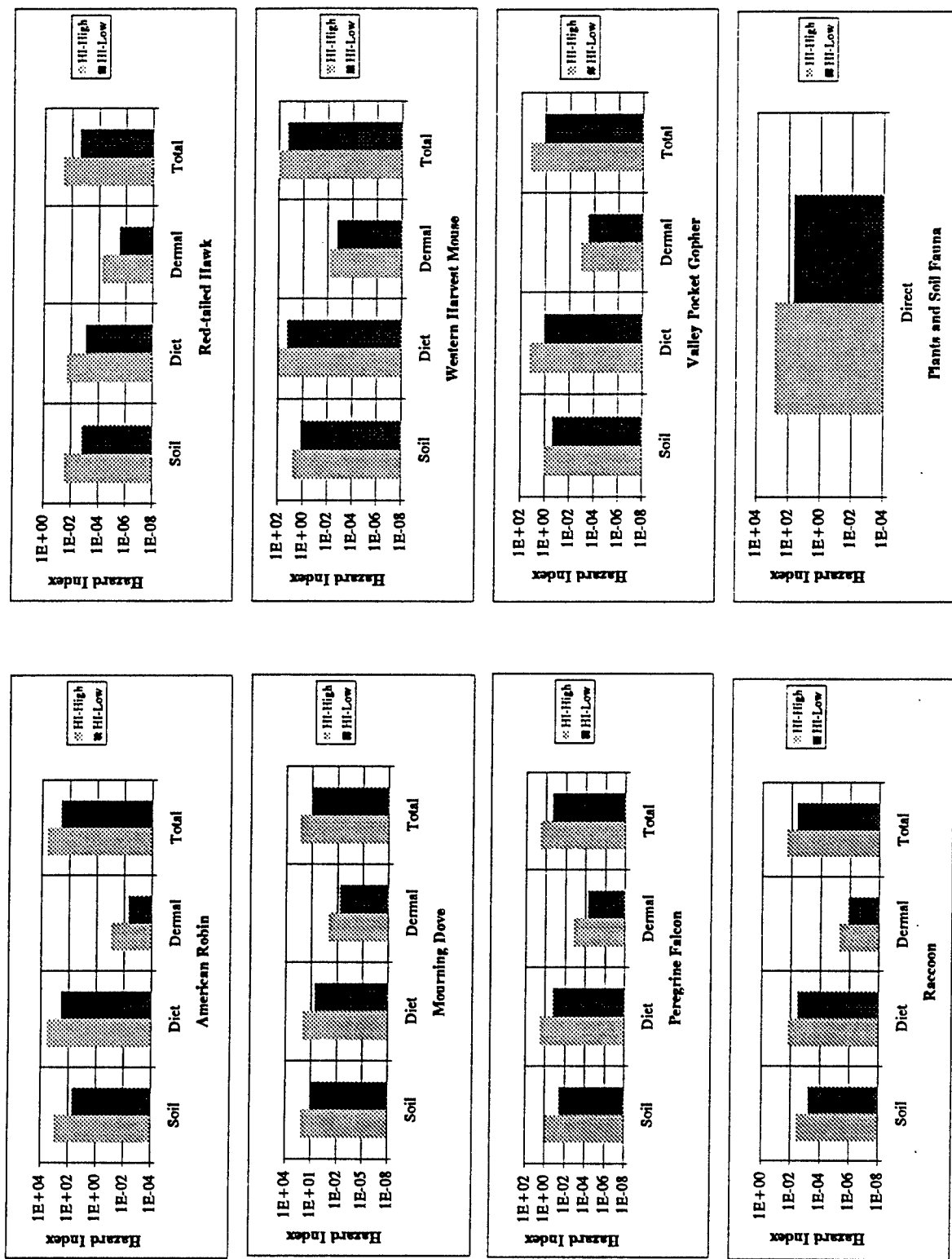


Figure 15.2-16 Hazard Indices for the DEH Study Area



Risk Drivers: Antimony, Cadmium, Chlordane, Chromium, Copper, Dieldrin, Endrin, Heptachlor, Lead, Manganese, Mercury, ppDDD, ppDDT, Selenium, Zinc

Figure 5.2-17 Hazard Indices for Building 228, Main Post Study Area

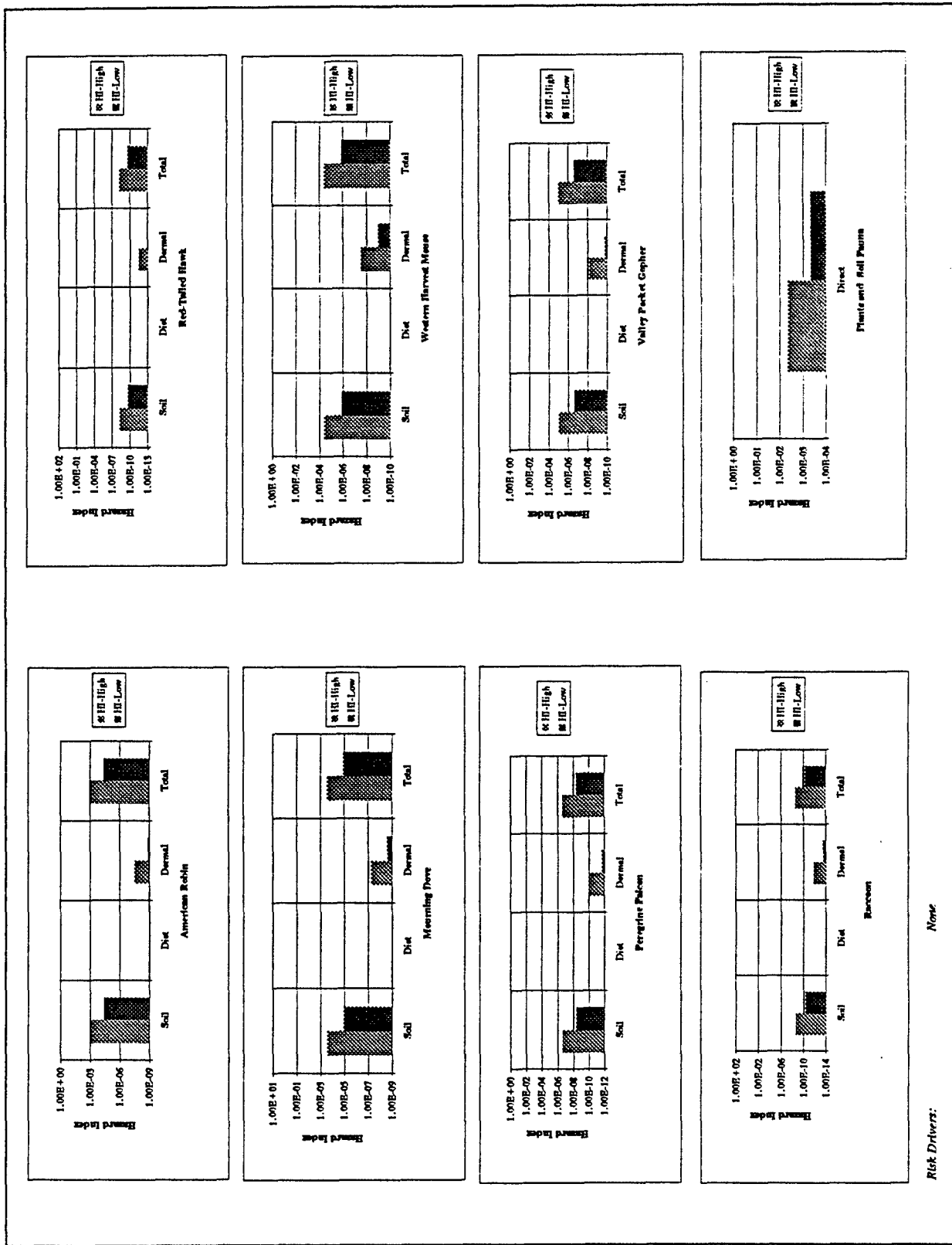
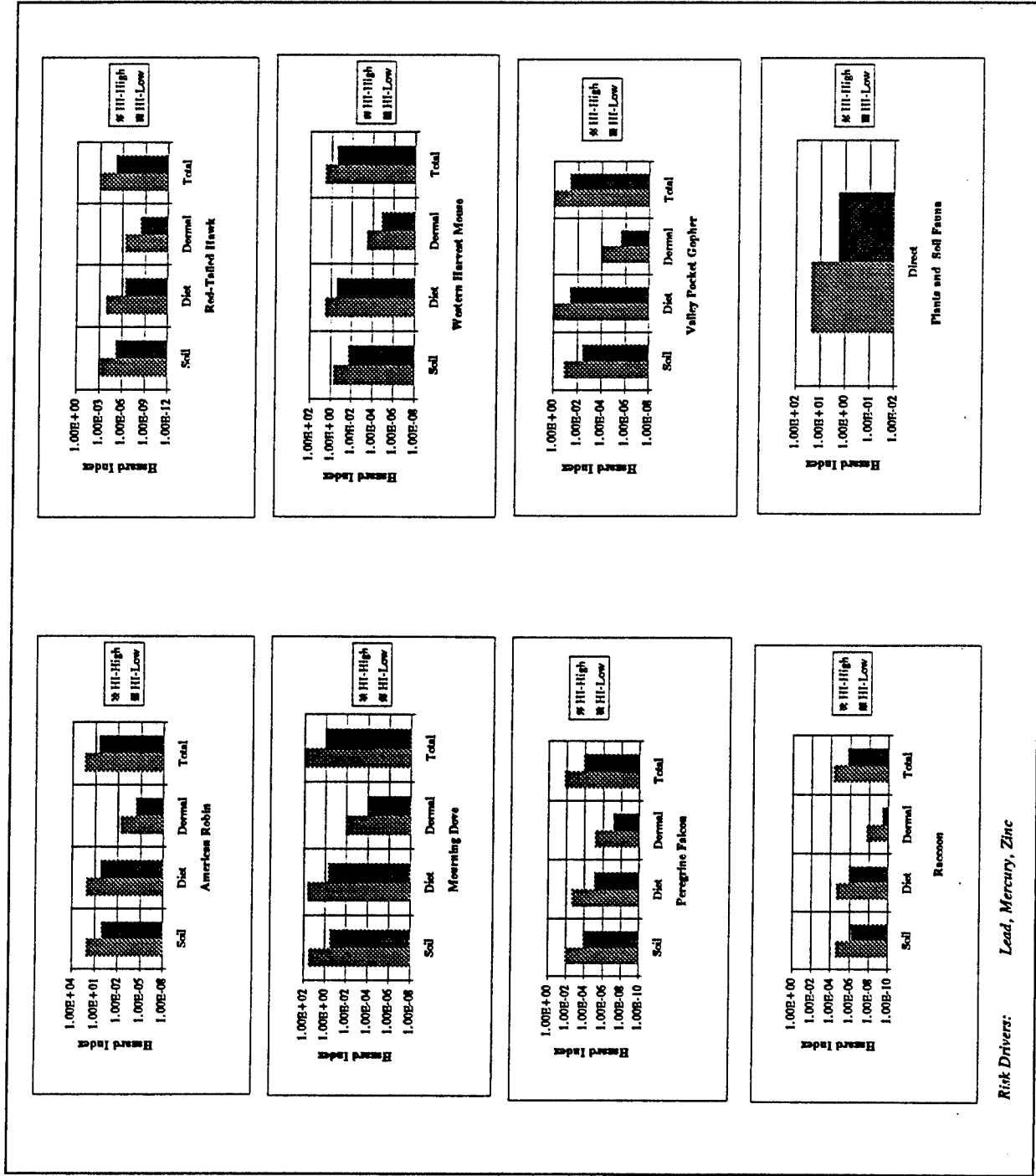
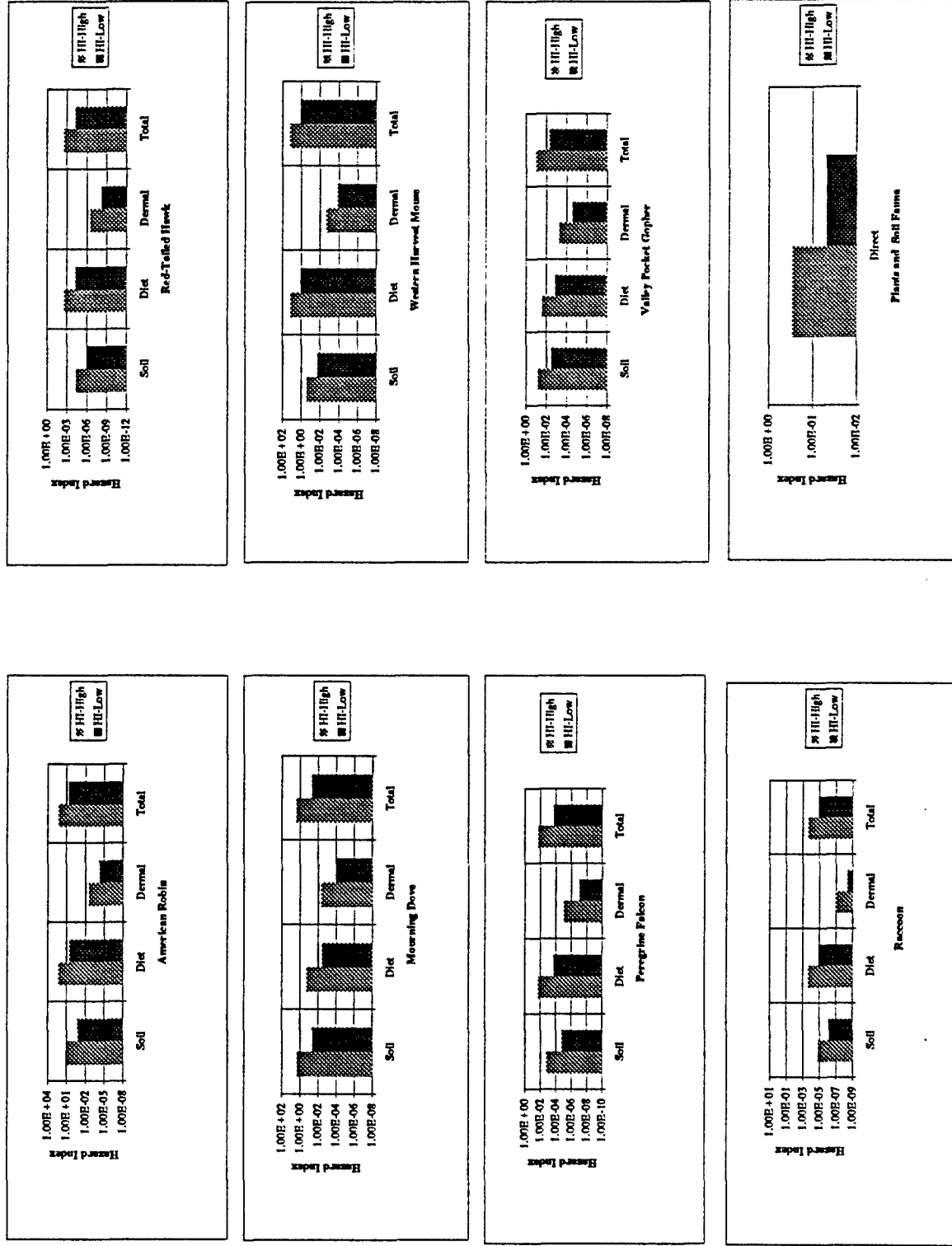


Figure 15.2-18 Hazard Indices for Building 1167, Main Post Study Area



Risk Drivers: Lead, Mercury, Zinc

Figure 15.2-19 Hazard Indices for Building 1151, Main Post Study Area



Risk Drivers:

PCB 1260

Figure 15.2-20 Hazard Indices for Fill Site 1, Fill Sites and Landfills

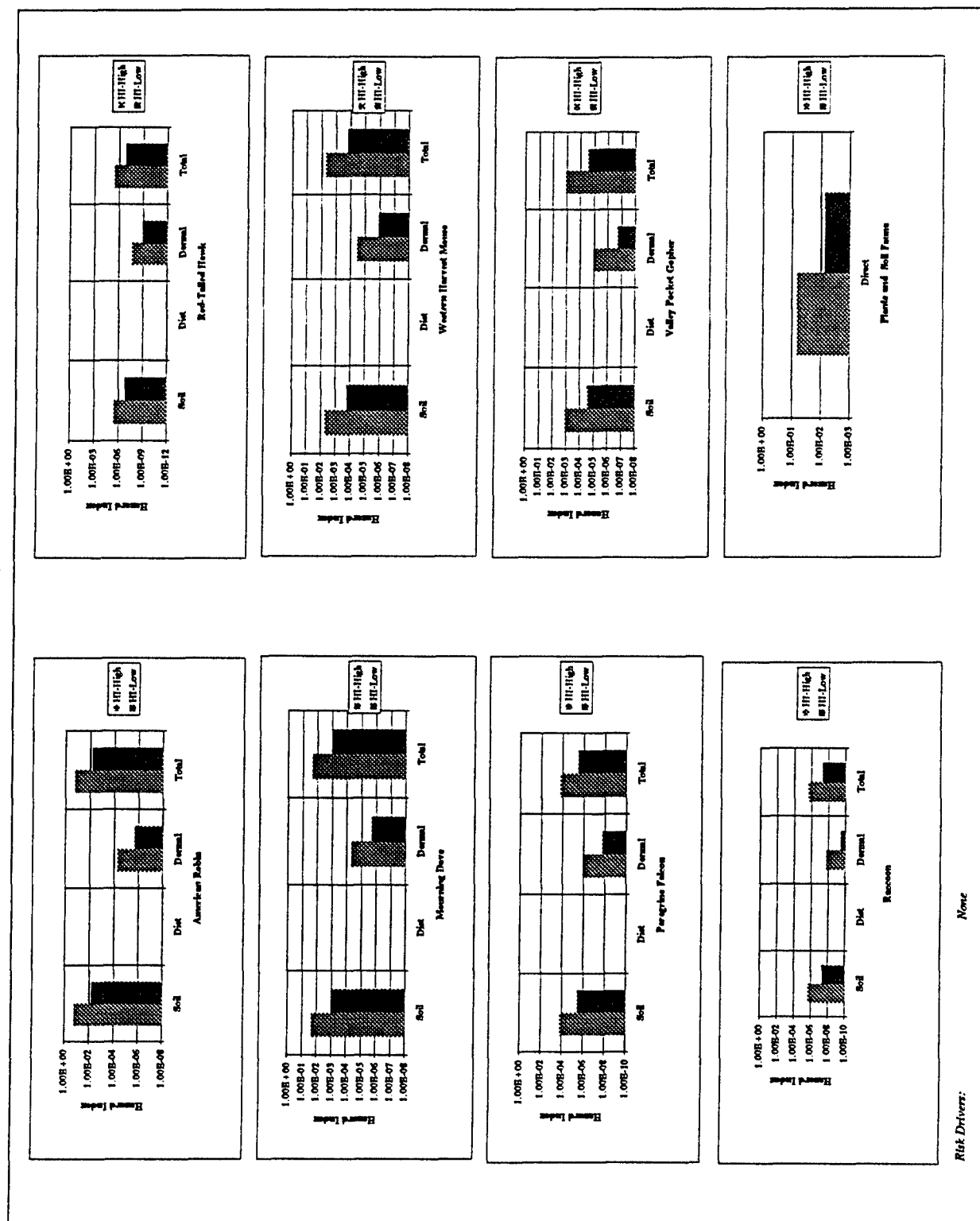
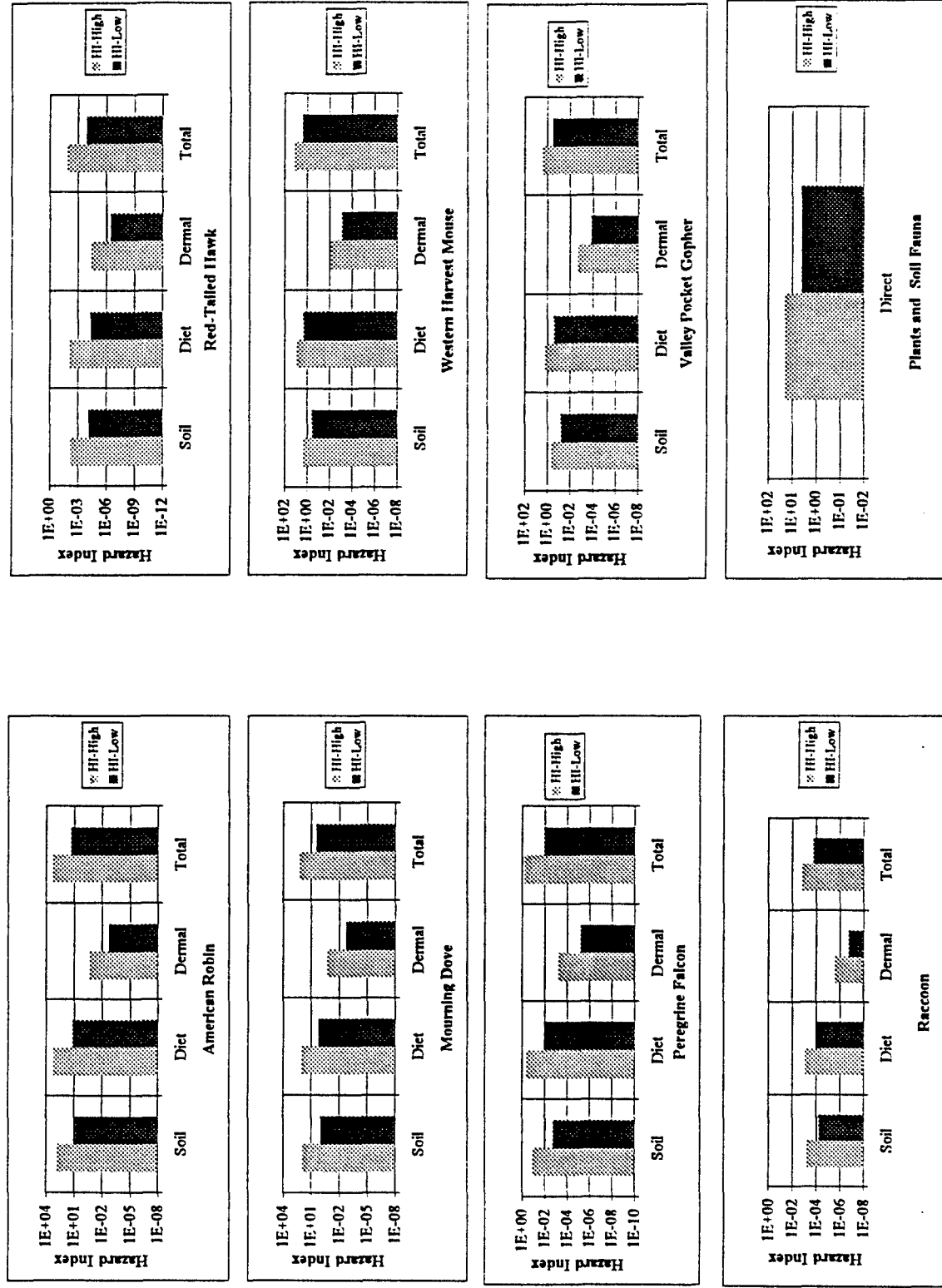
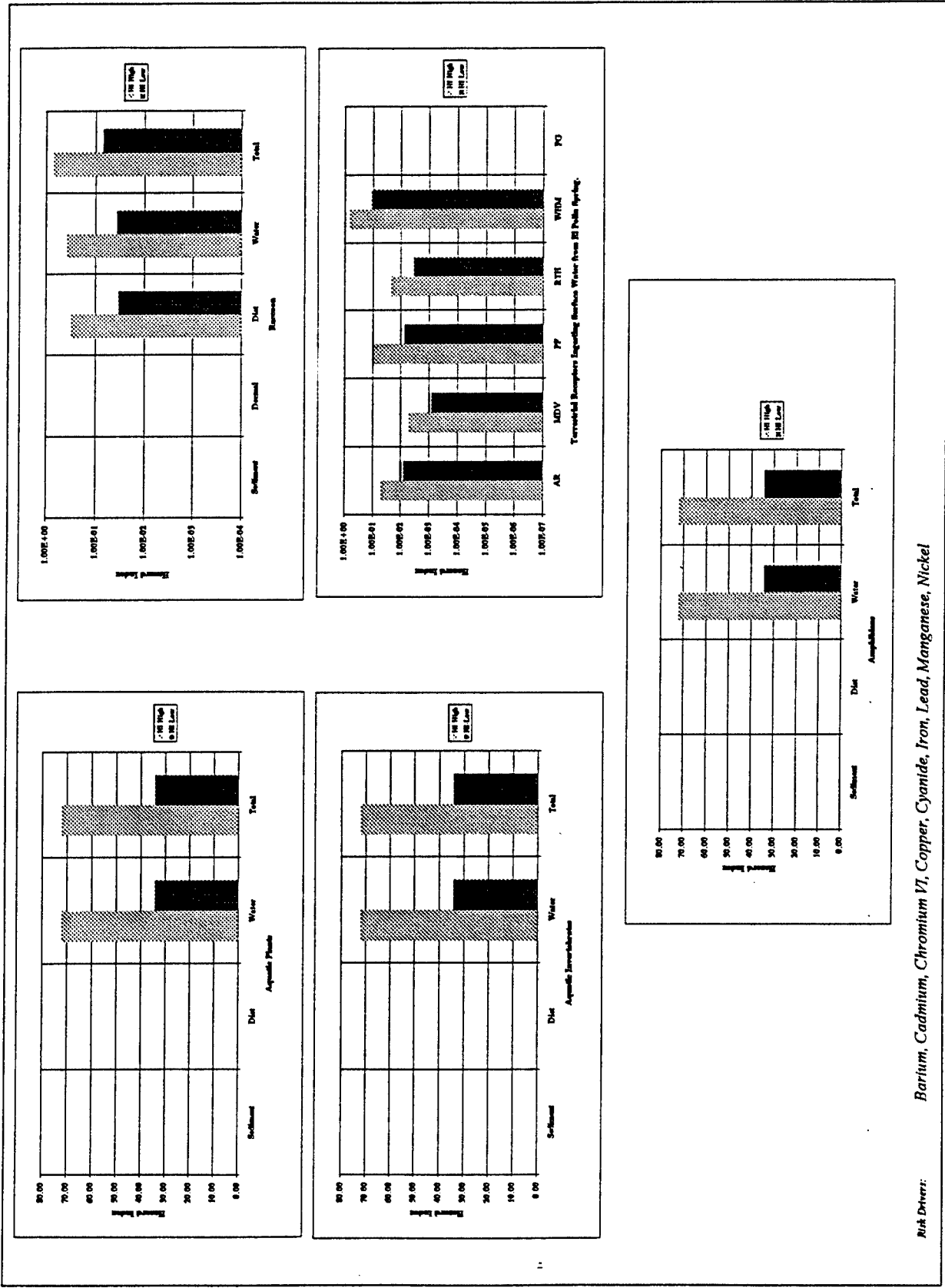


Figure 15.2-21 Hazard Indices for Landfill 2, Fill Sites and Landfills



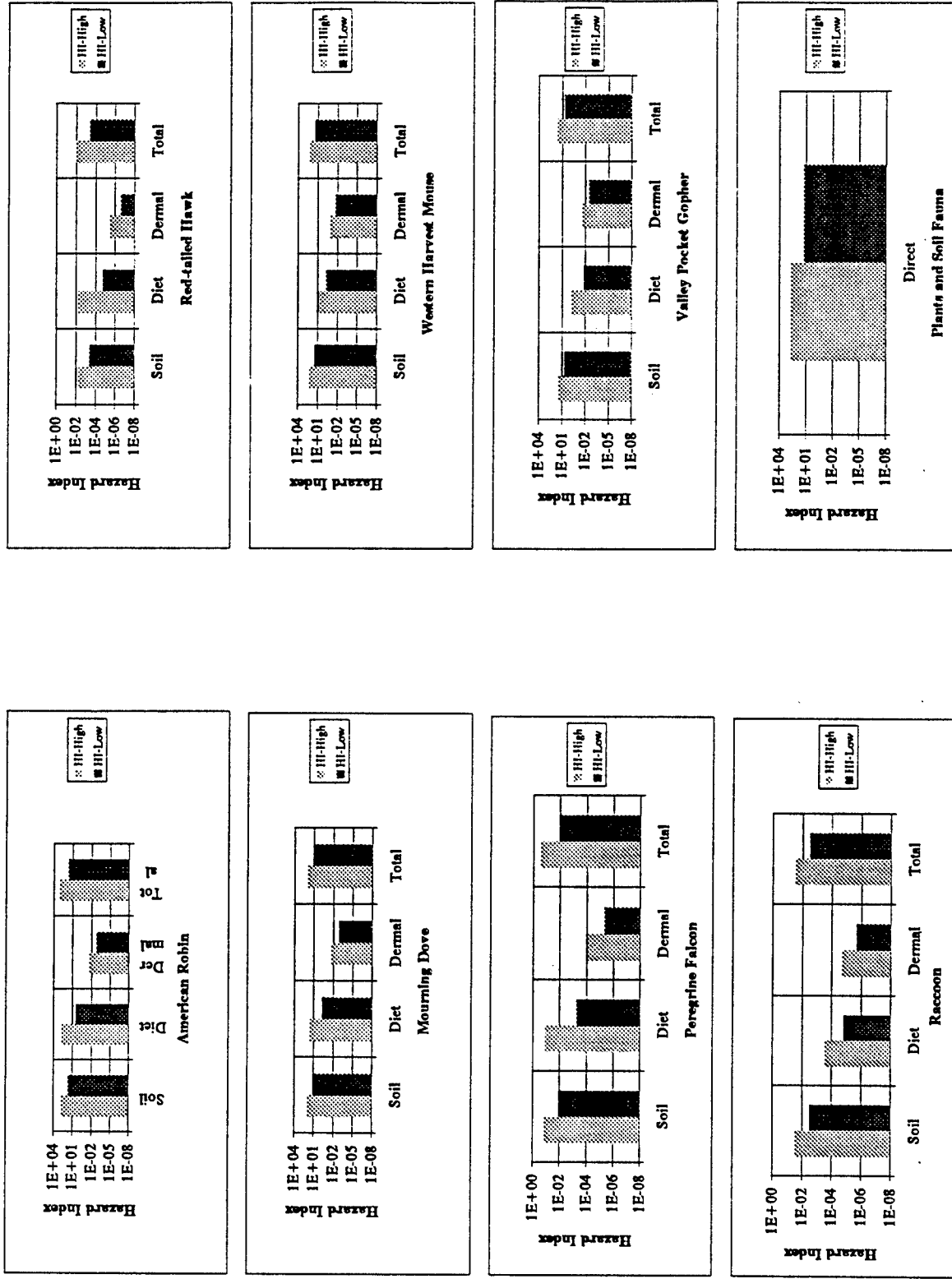
Risk Drivers: Barium, Copper, Lead, ppDDT, Zinc

Figure 15.2-22 Hazard Indices for El Polin Spring, Fill Sites and Landfills



Risk Drivers: Barium, Cadmium, Chromium VI, Copper, Cyanide, Iron, Lead, Manganese, Nickel

Figure 15.2-23 Hazard Indices for the Transfer Station Site, Fill Sites and Landfills



Risk Drivers: Aluminum, Barium, Lead, Mercury, ppDDT, Vanadium

Figure 15.2-24 Hazard Indices for Landfill 4, Fill Sites and Landfills

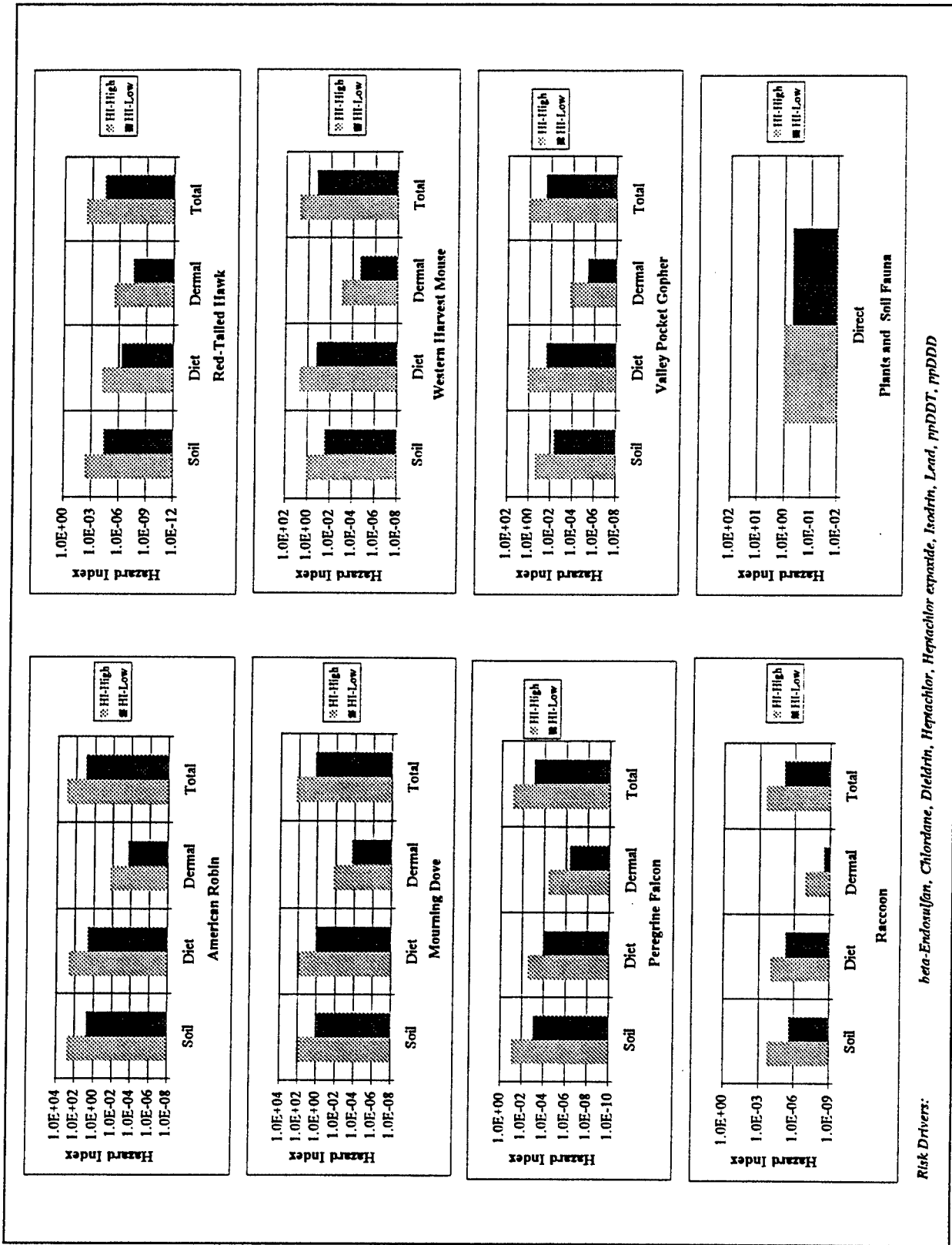
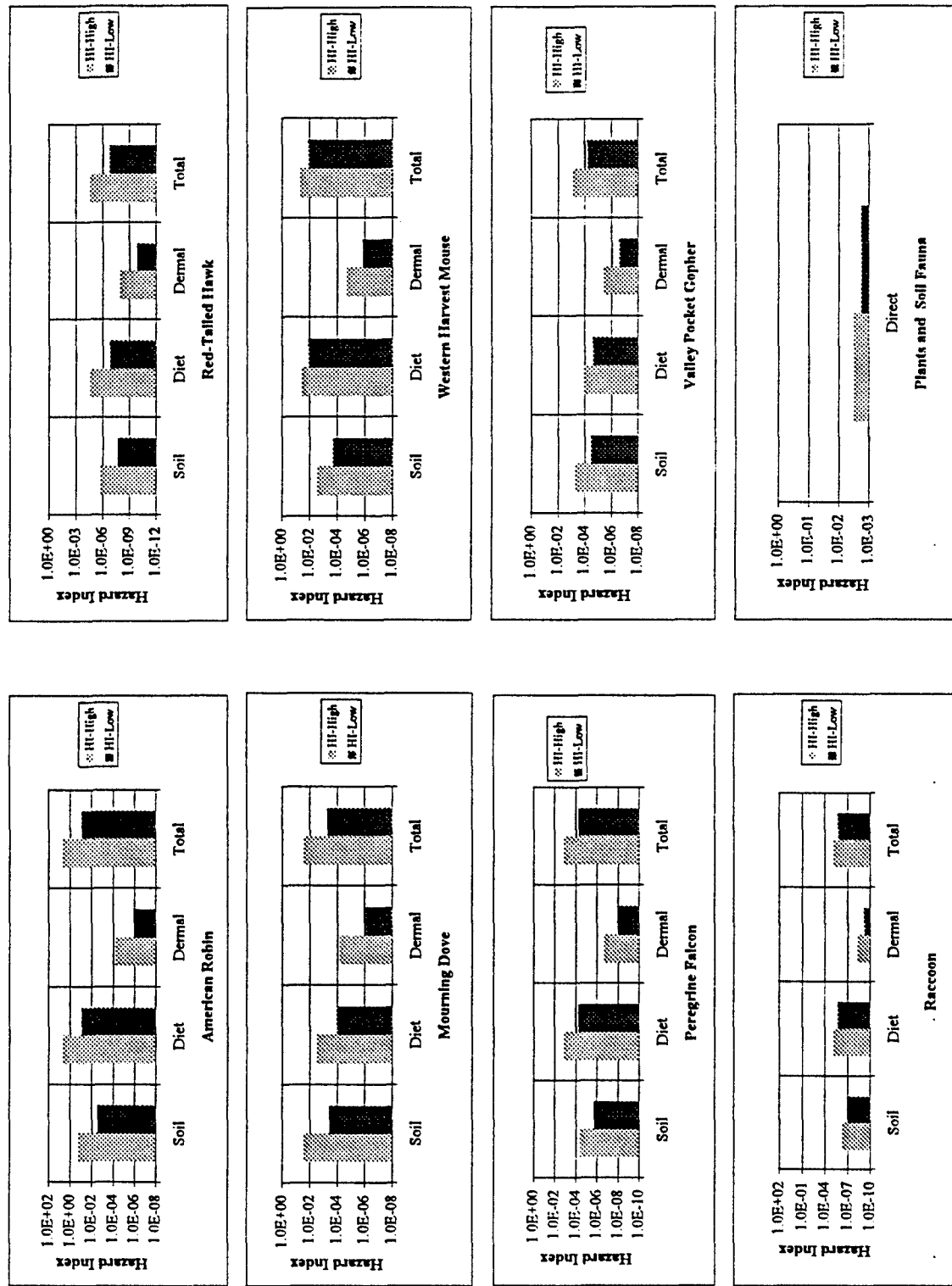


Figure 15.2-25 Hazard Indices for Fill Site 5, Fill Sites and Landfills



Risk Drivers: beta-Endosulfan, Dieldrin, ppDDD, ppDDT

Figure 15.2-26 Hazard Indices for Graded Area 9, Fill Sites and Landfills

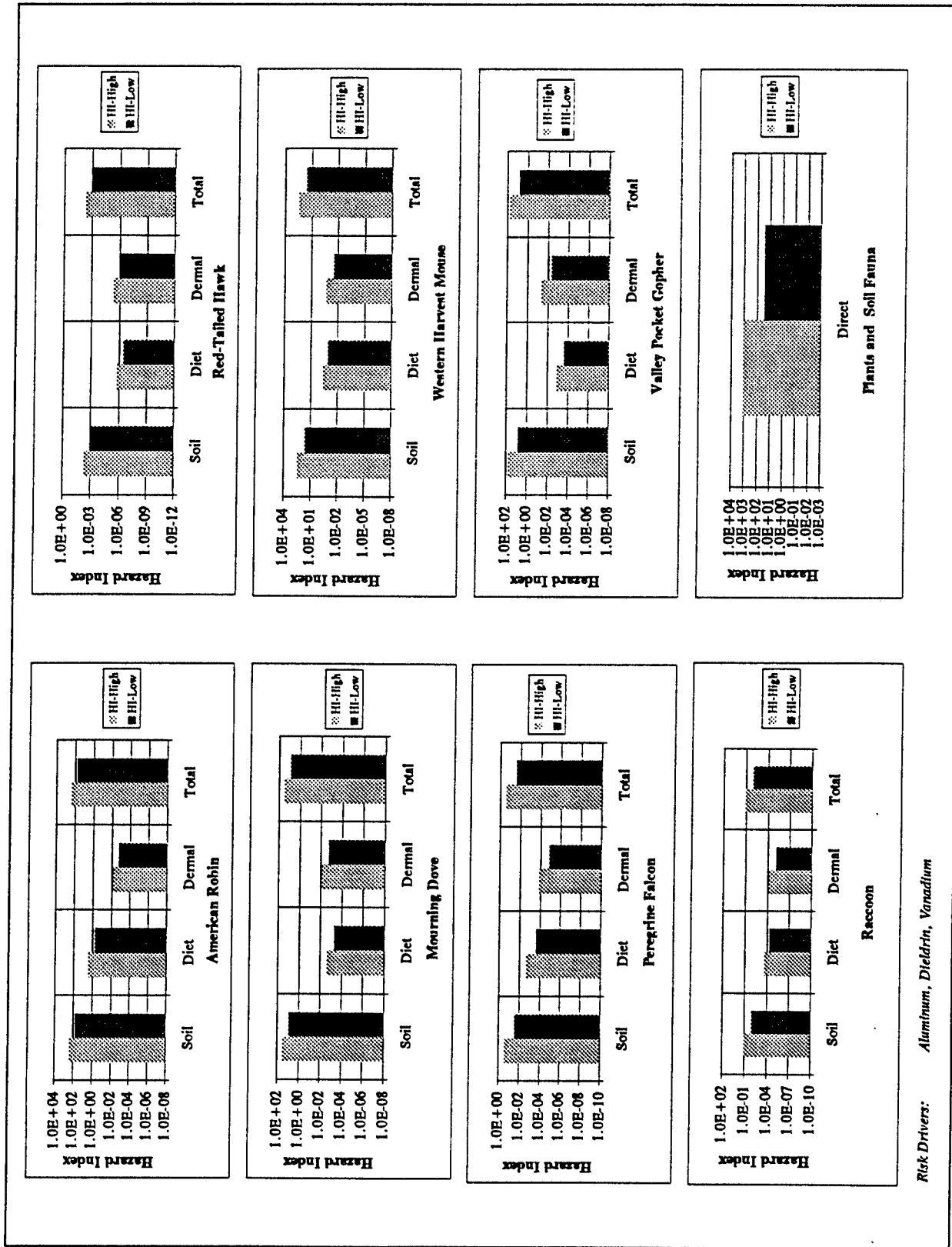
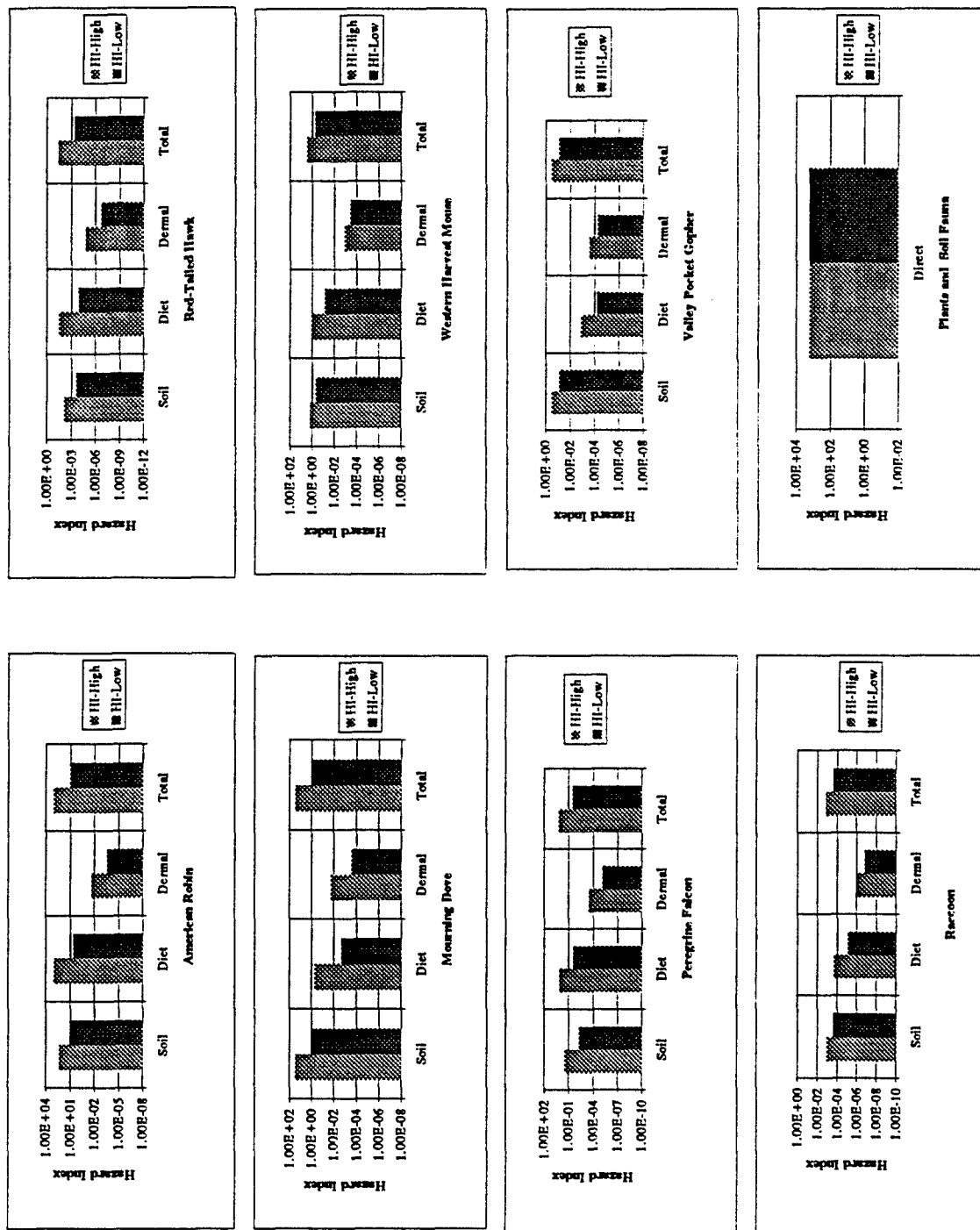


Figure 15.2-27 Hazard Indices for Landfill E, Fill Sites and Landfills



Risk Drivers: Mercury, ppDDE, ppDDT, Silver, Zinc

Figure 15.2-28. Hazard Indices for Building 662, Miscellaneous Sites

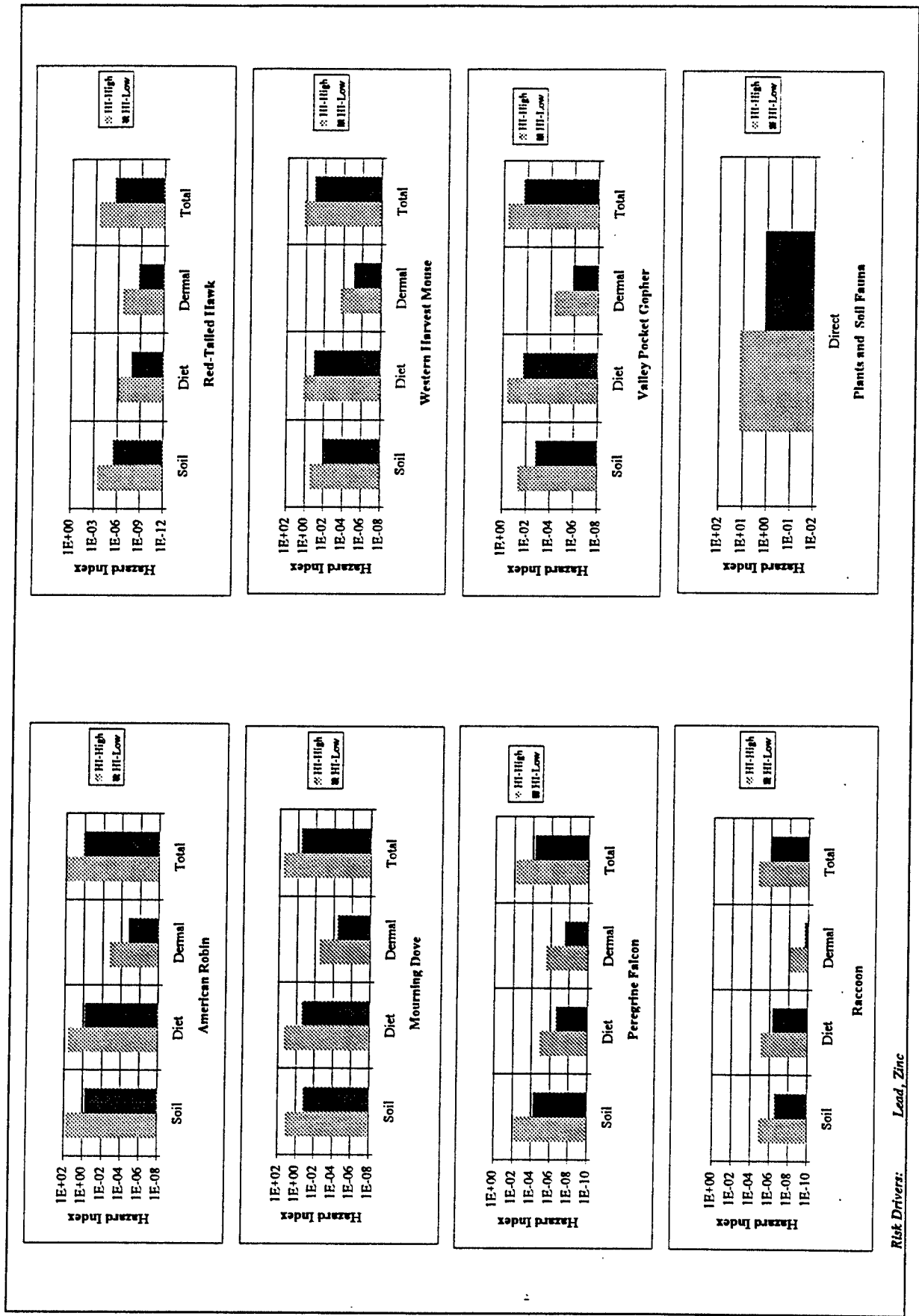


Figure 15.2-29 Hazard Indices for Building 680, Miscellaneous Sites

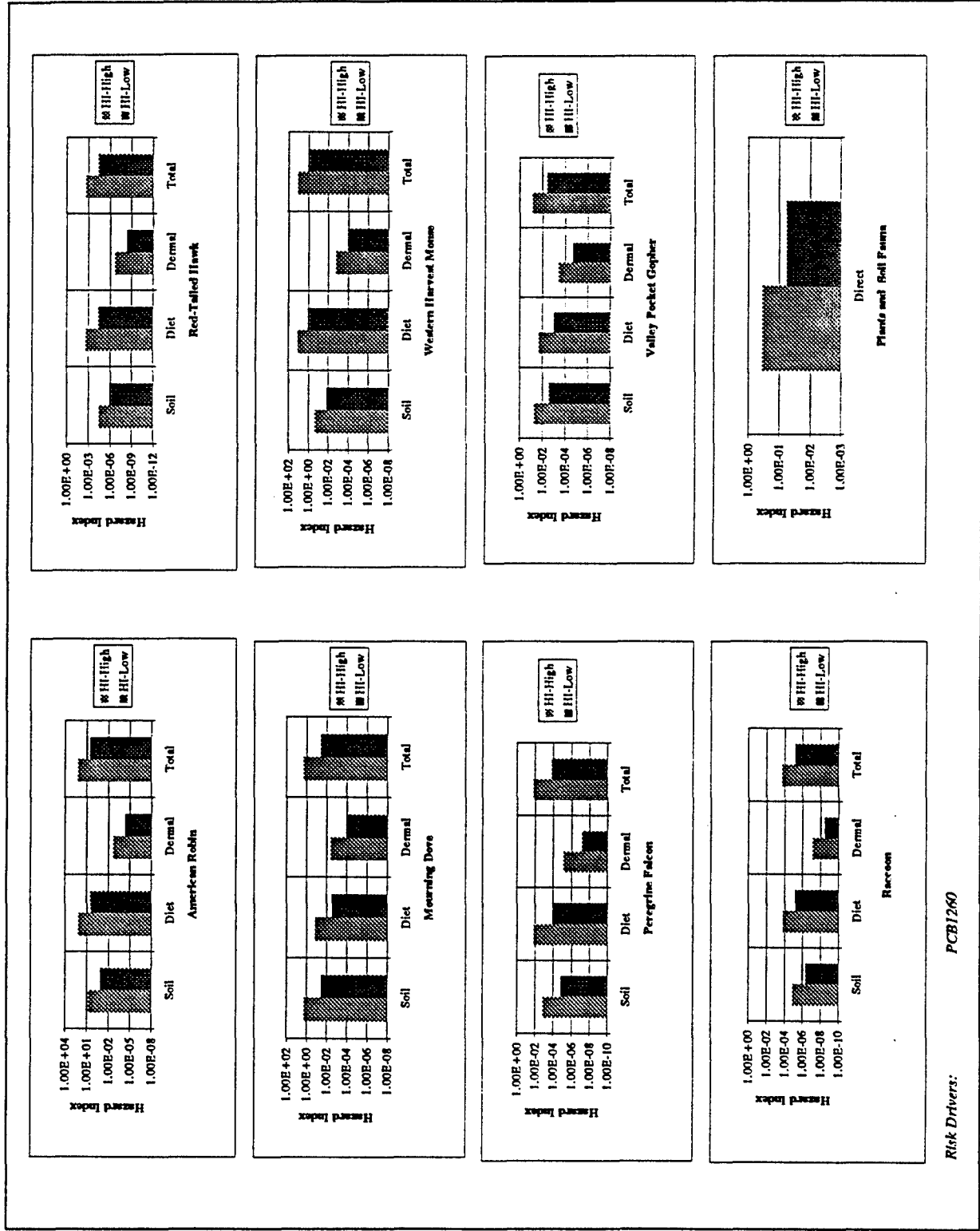


Figure 15.2-30 Hazard Indices for Building 1351, Miscellaneous Sites

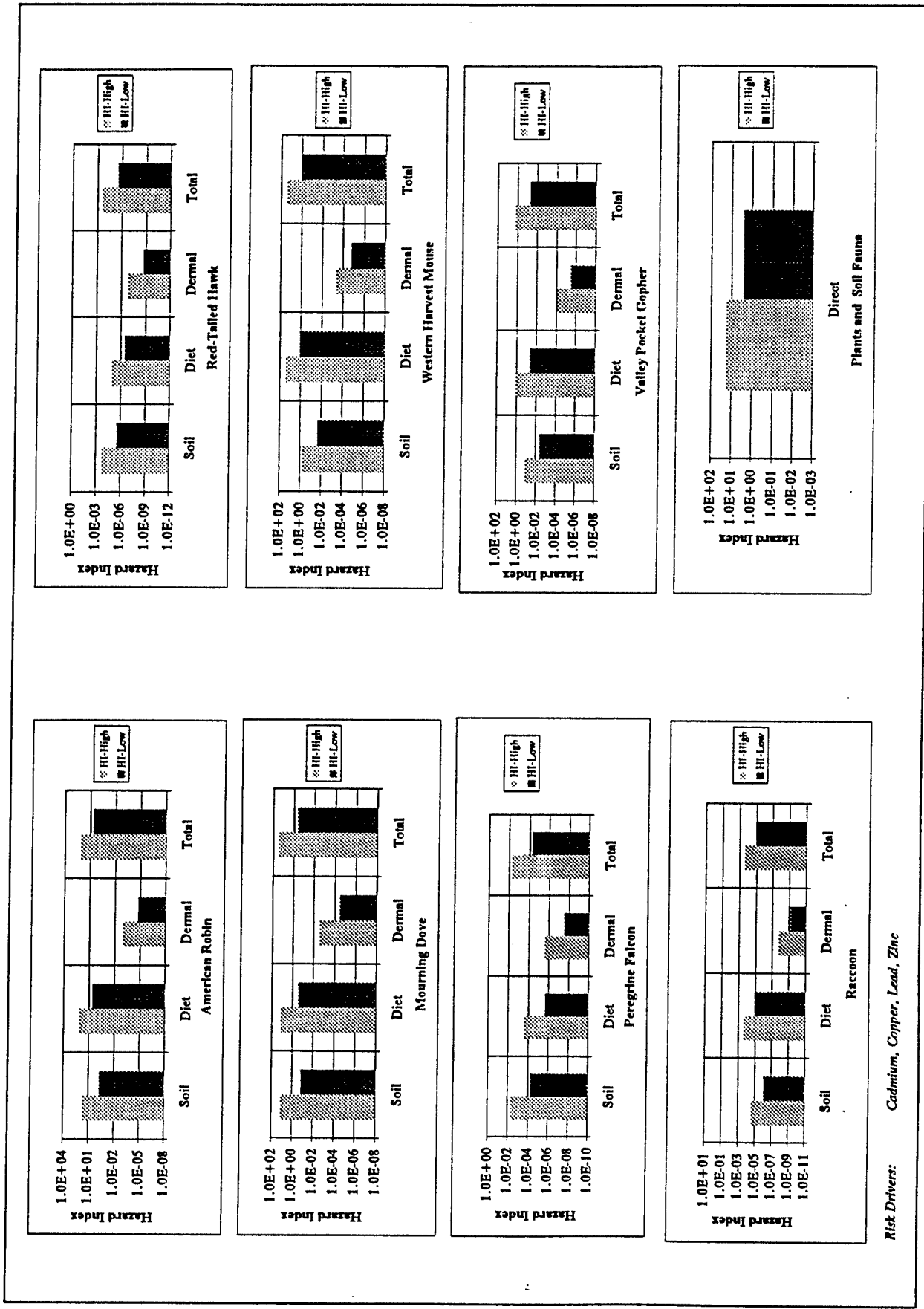


Figure 15.2-31 Hazard Indices for the Fort Point Coast Guard Station, Miscellaneous Sites

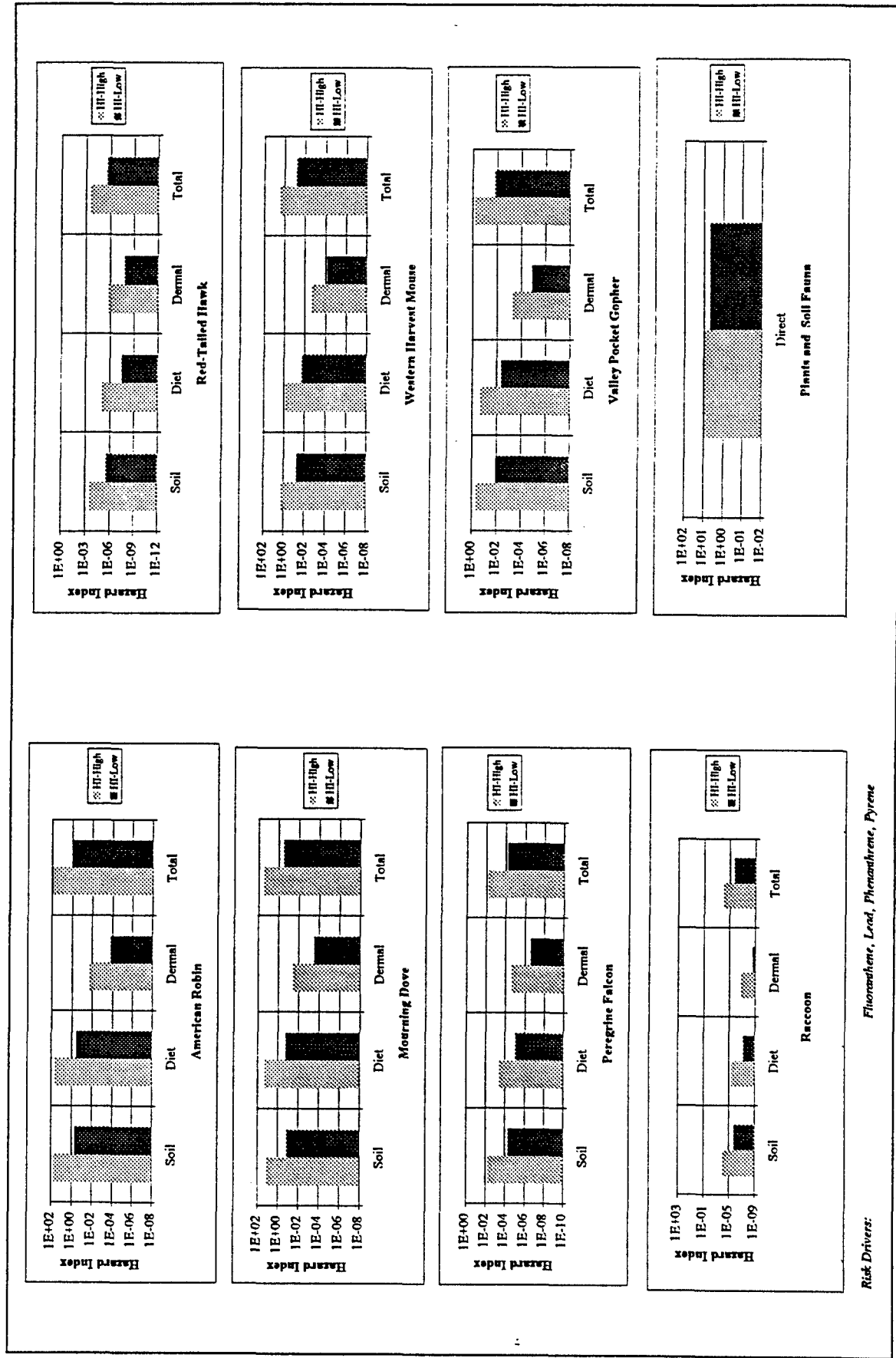
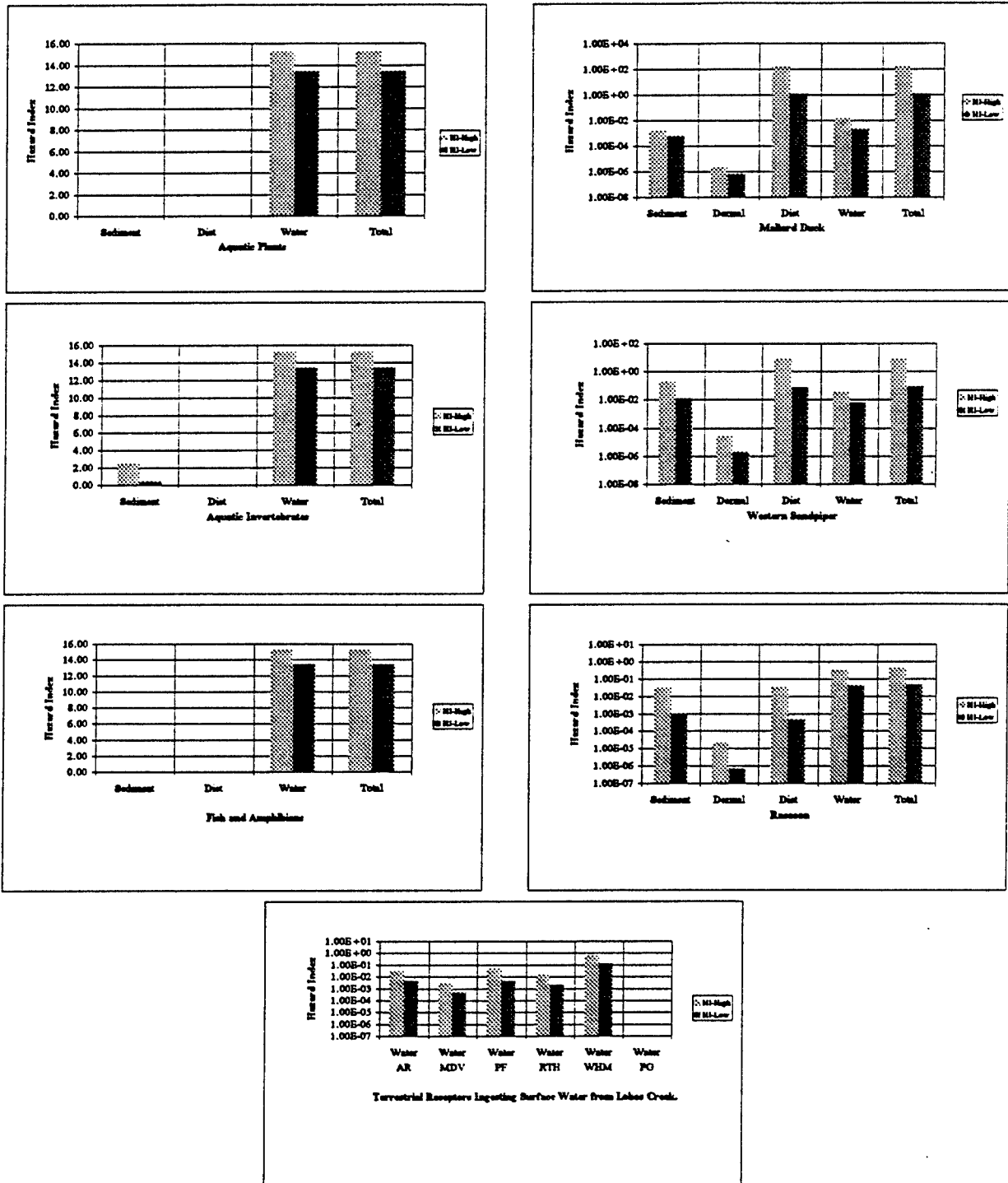
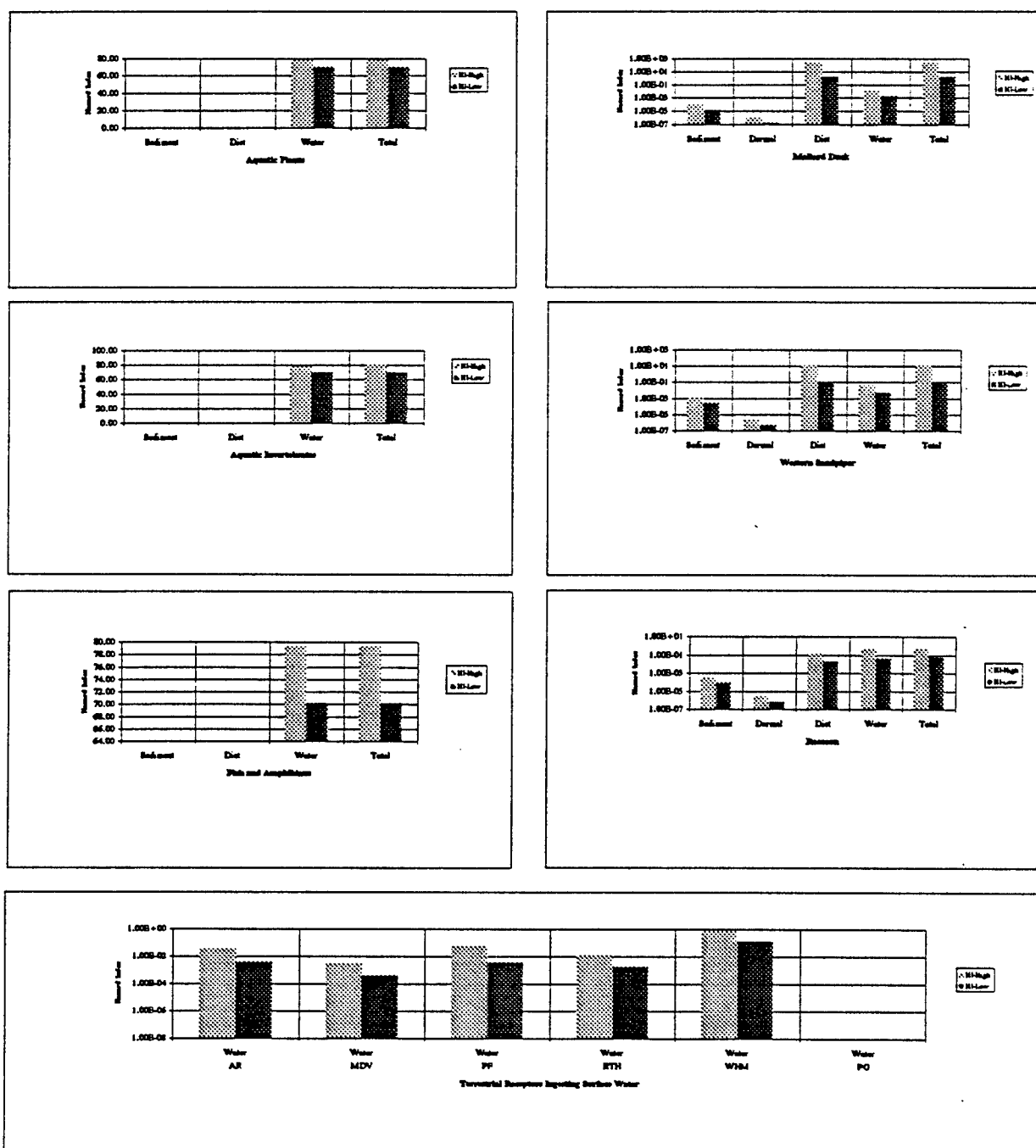


Figure 15.2-32 Hazard Indices for Lobos Creek, Miscellaneous Sites



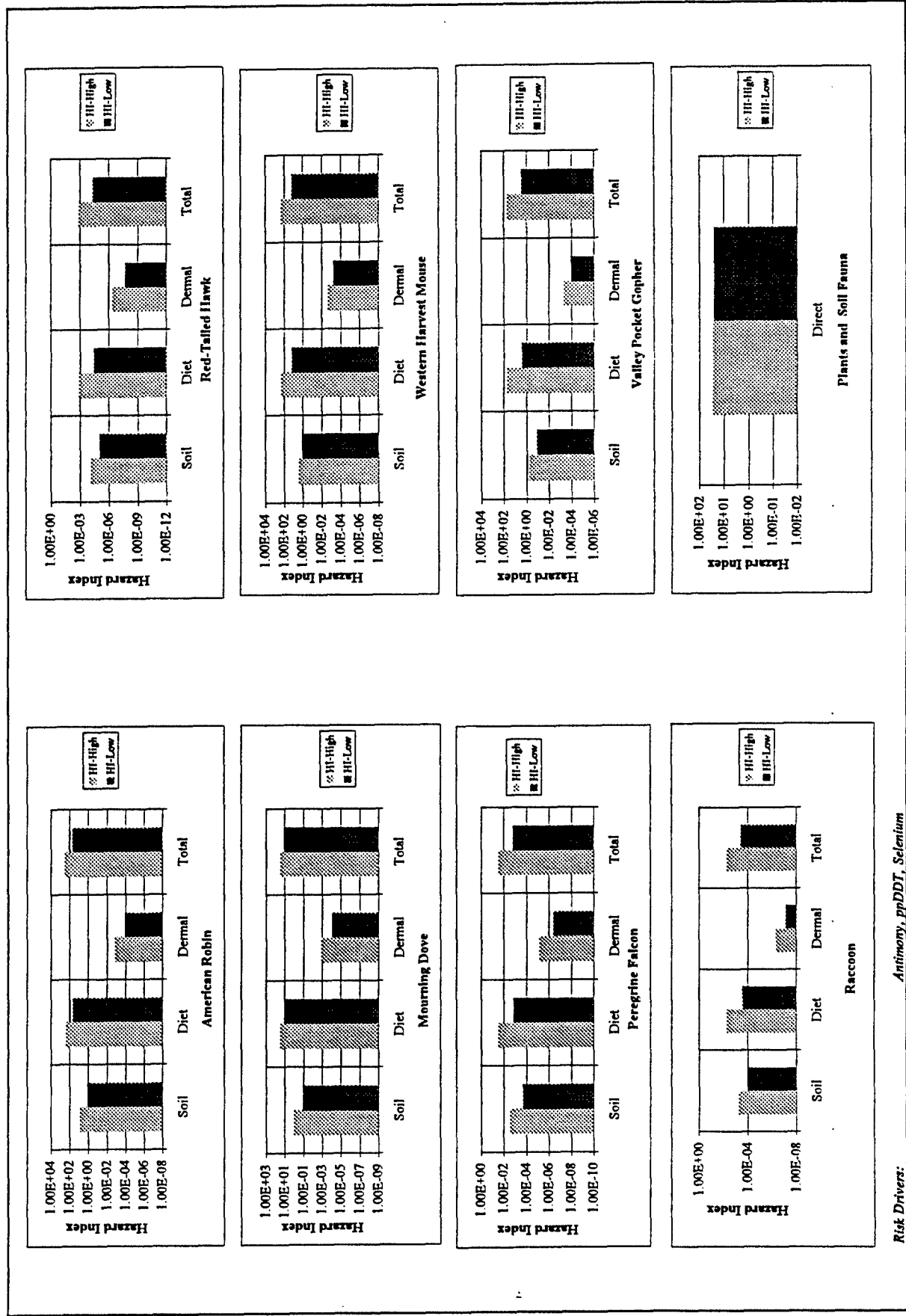
Risk Drivers: Arsenic, Barium, Iron, Lead, Manganese

Figure 15.2-33 Hazard Indices for Mountain Lake, Miscellaneous Sites



Risk Drivers: Aldrin, Barium, Cyanide, Heptachlor, Lead, Manganese, TPH-diesel, TPH-gasoline

Figure 15.2-34 Hazard Indices for Disturbed Area 1 Outside Mounded Landfill Material Area, Baker Beach Study Area



Risk Drivers: Antimony, ppDDT, Selenium

Figure 15.2-35 Hazard Indices for Soil Exposure at Disturbed Area 1 Mounded Landfill Material Area, Baker Beach Study Area

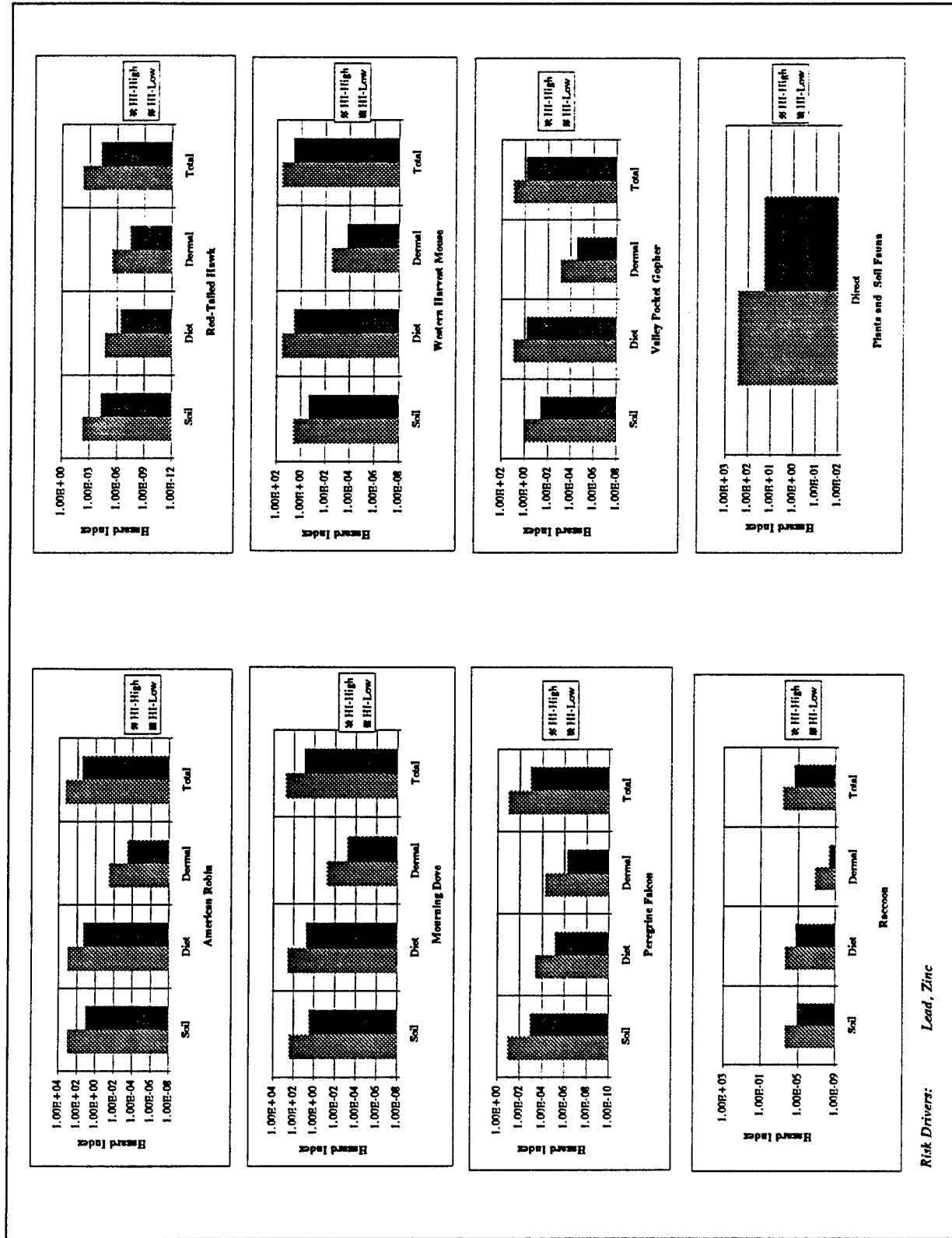


Figure 15.2-36 Hazard Indices for Receptors Exposed to Water and Sediments at Disturbed Area 1 Seep, Baker Beach Study Area

Risk Drivers:

*Barium, Copper, Lead, Manganese, TPH-diesel,
PCB 1260, ppDDE*

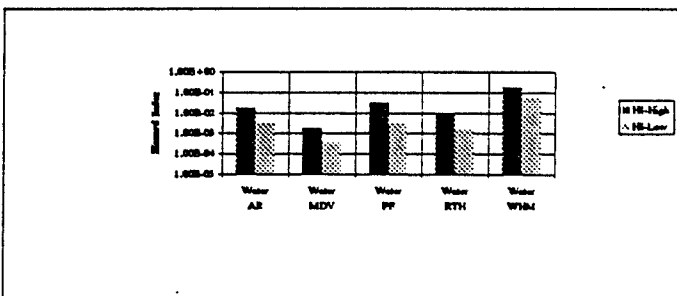
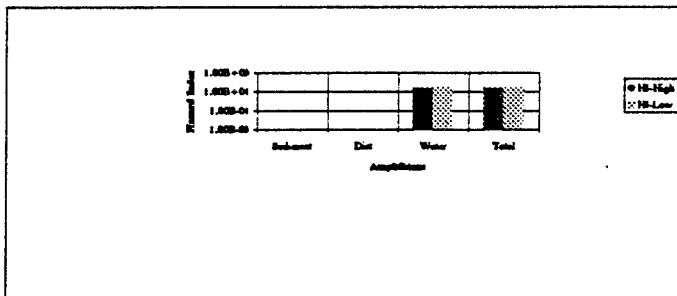
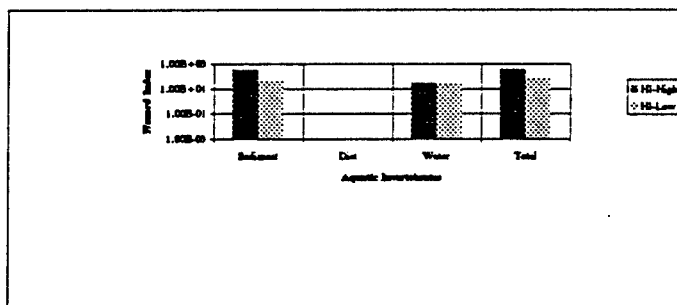
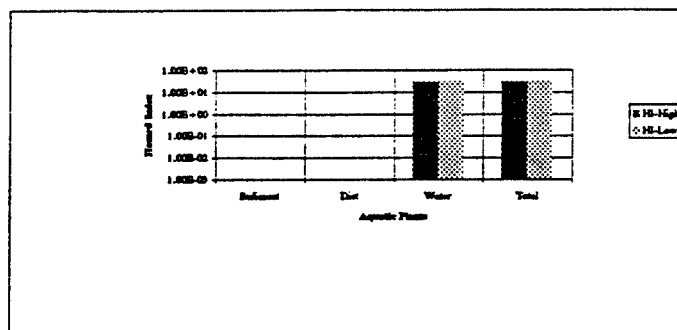


Figure 15.2-37 Hazard Indices for Disturbed Area 1a, Baker Beach Study Area

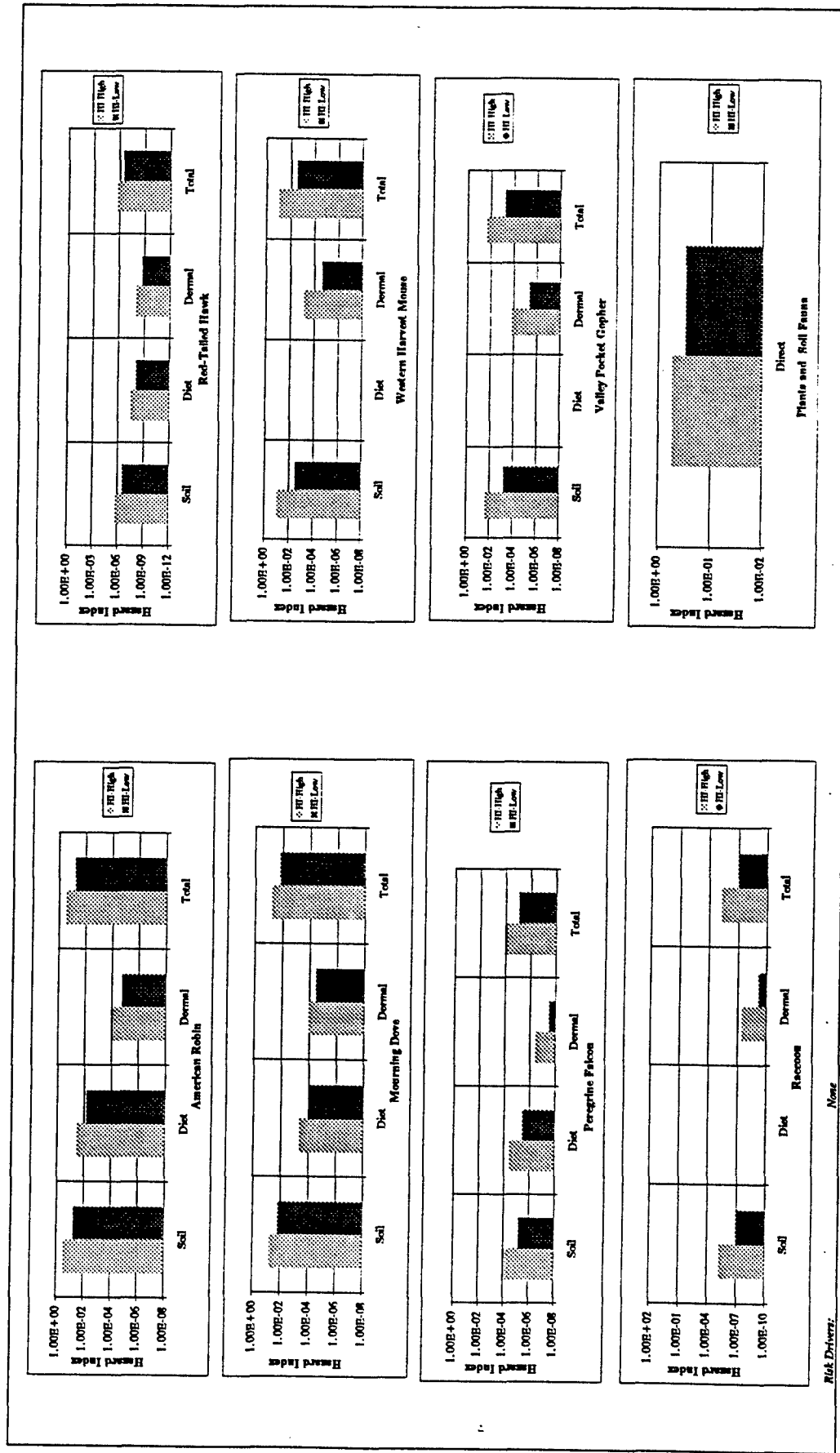


Figure 15.2-38 Hazard Indices for Disturbed Area 2, Baker Beach Study Area

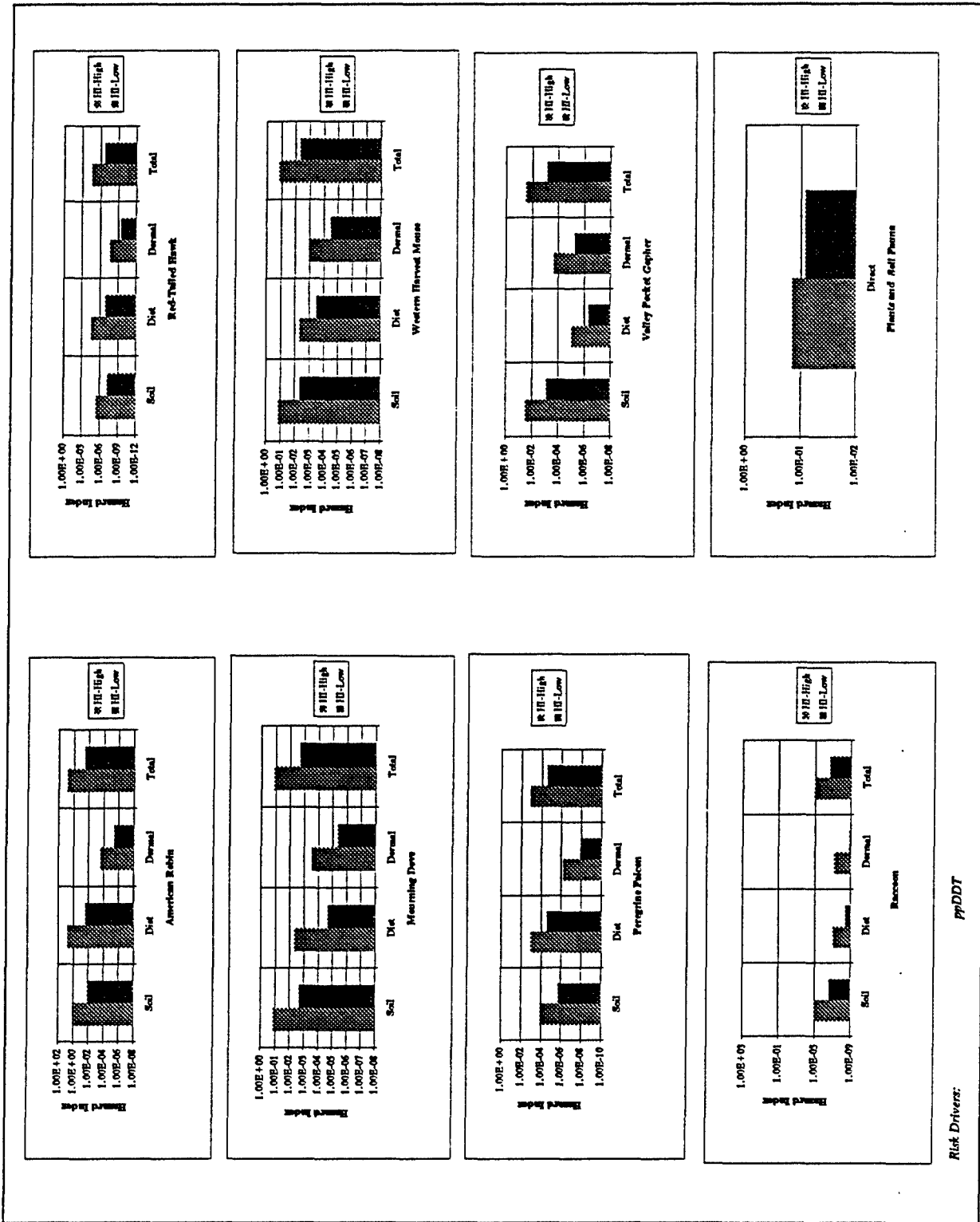


Figure 15.2-39 Hazard Indices for Disturbed Area 3, Baker Beach Study Area

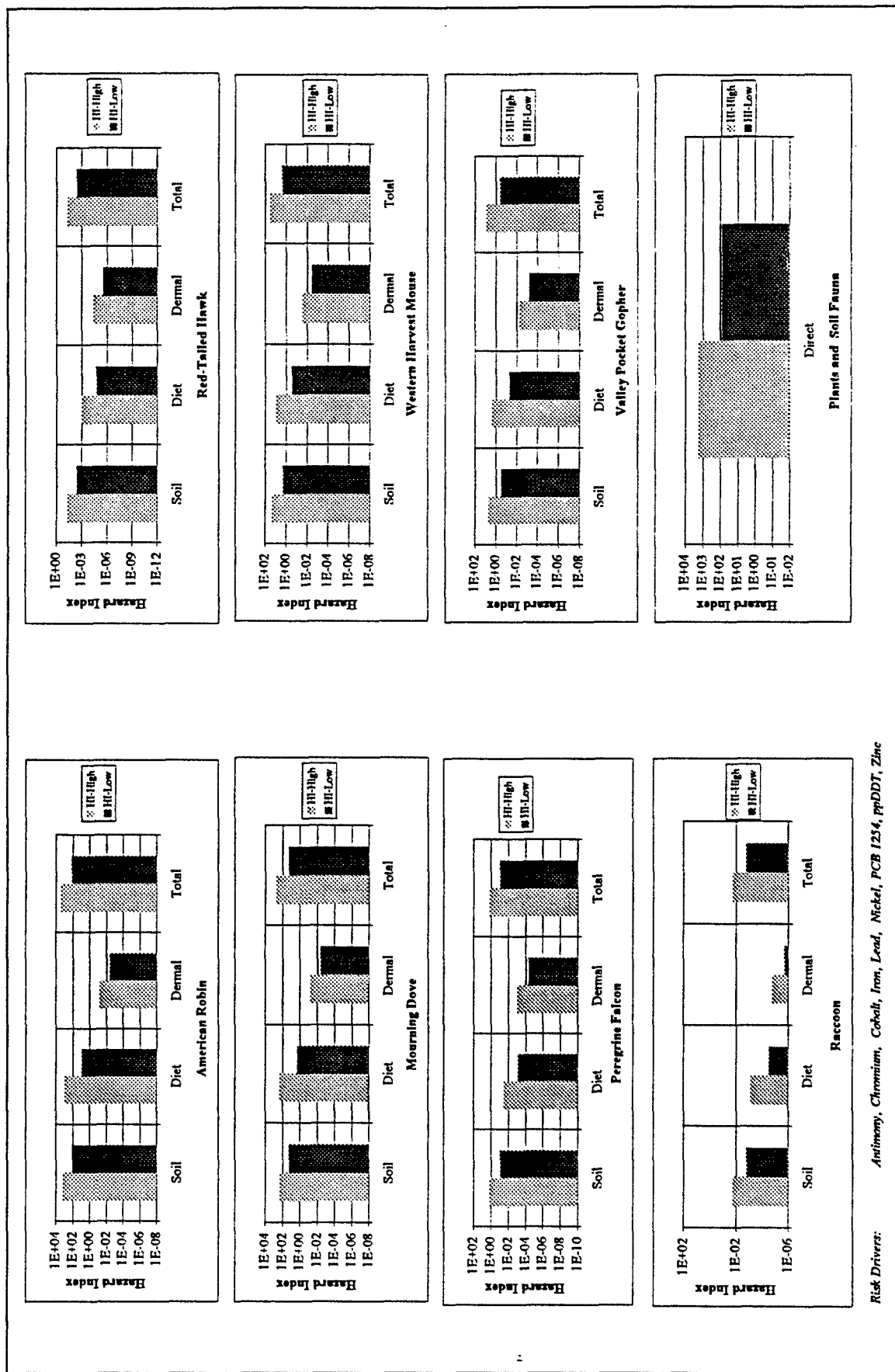


Figure 15.2-40 Hazard Indices for Disturbed Area 4, Baker Beach Study Area

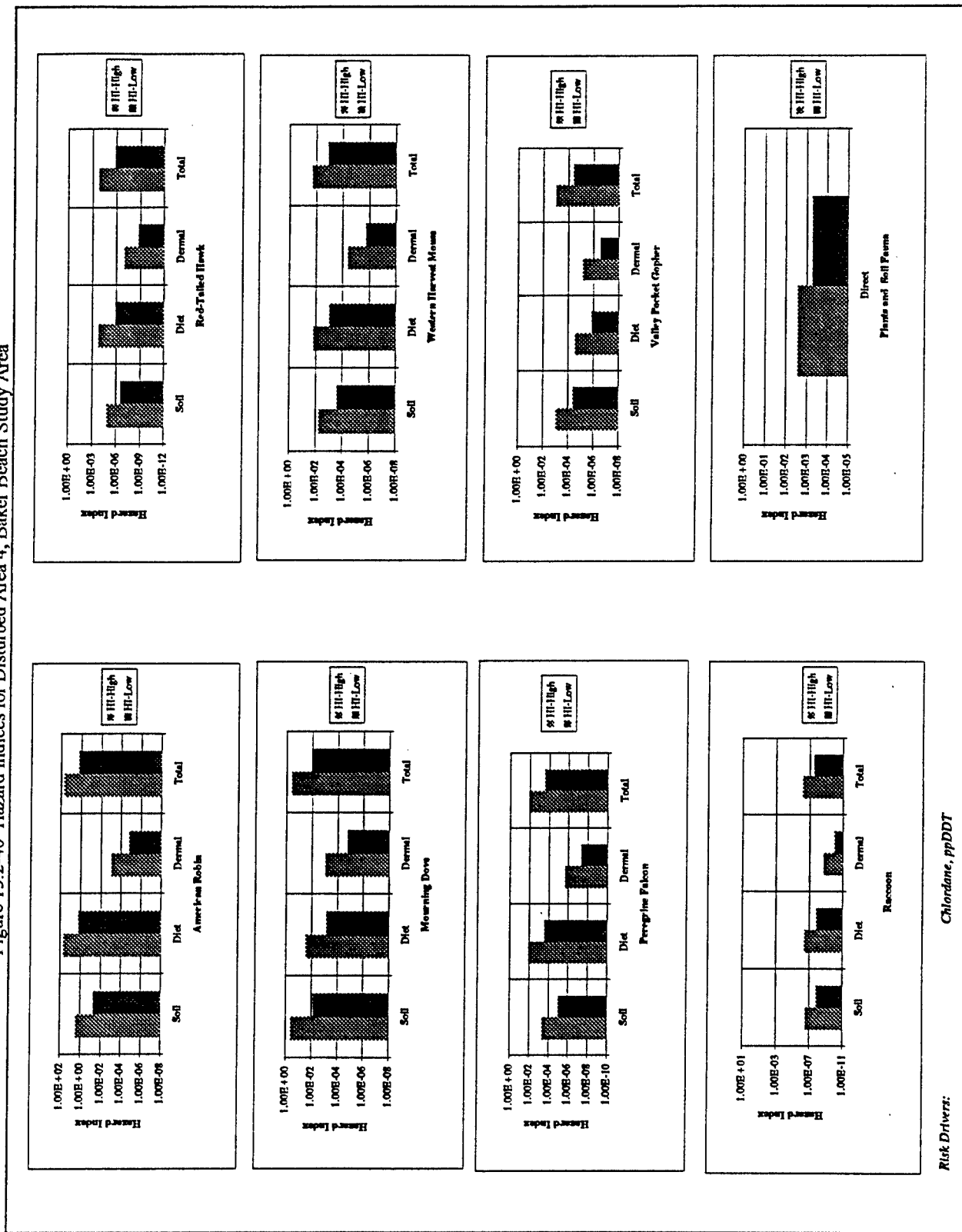


Figure 15.2-41 Hazard Indices for Battery Howe/Wagner

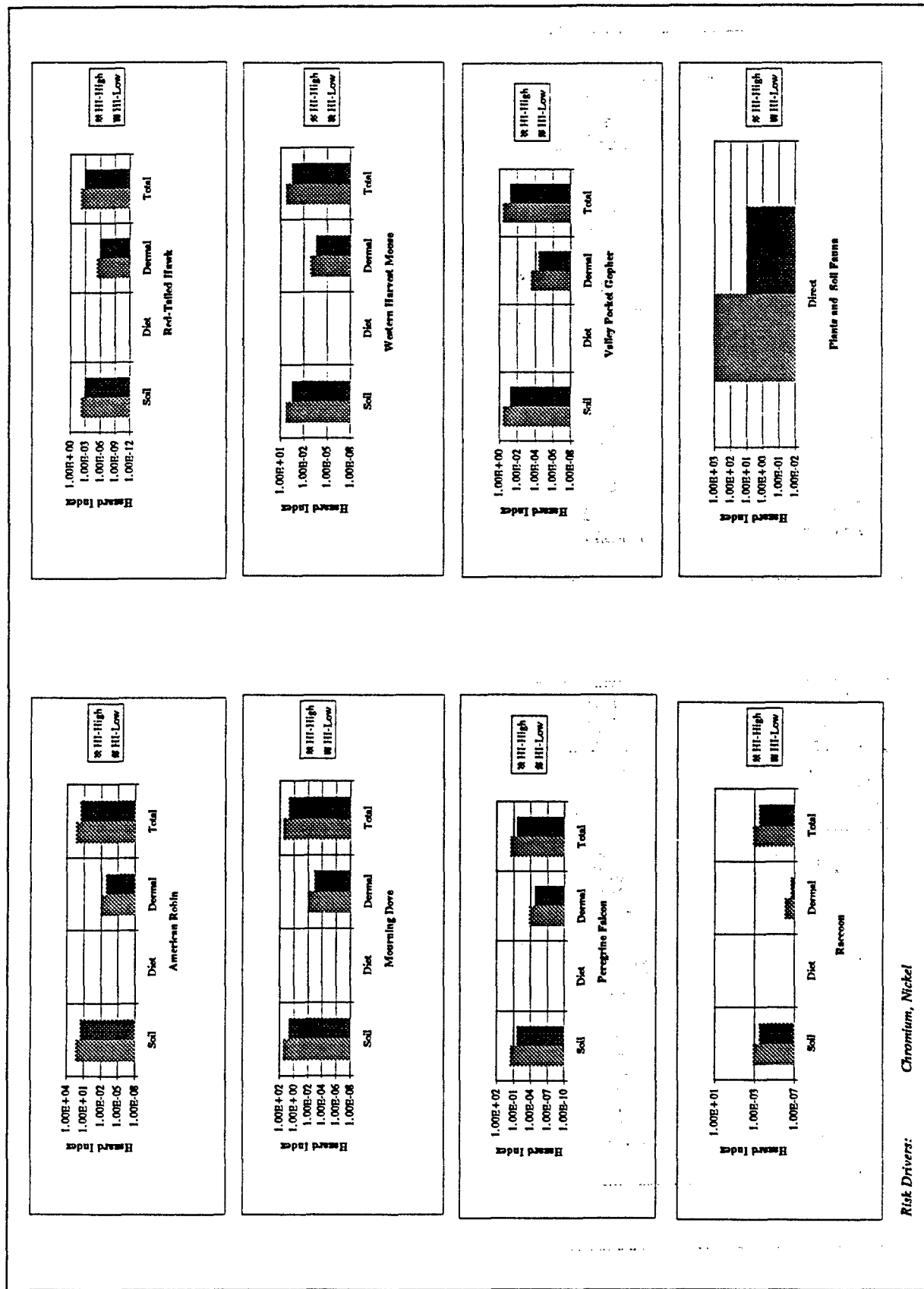
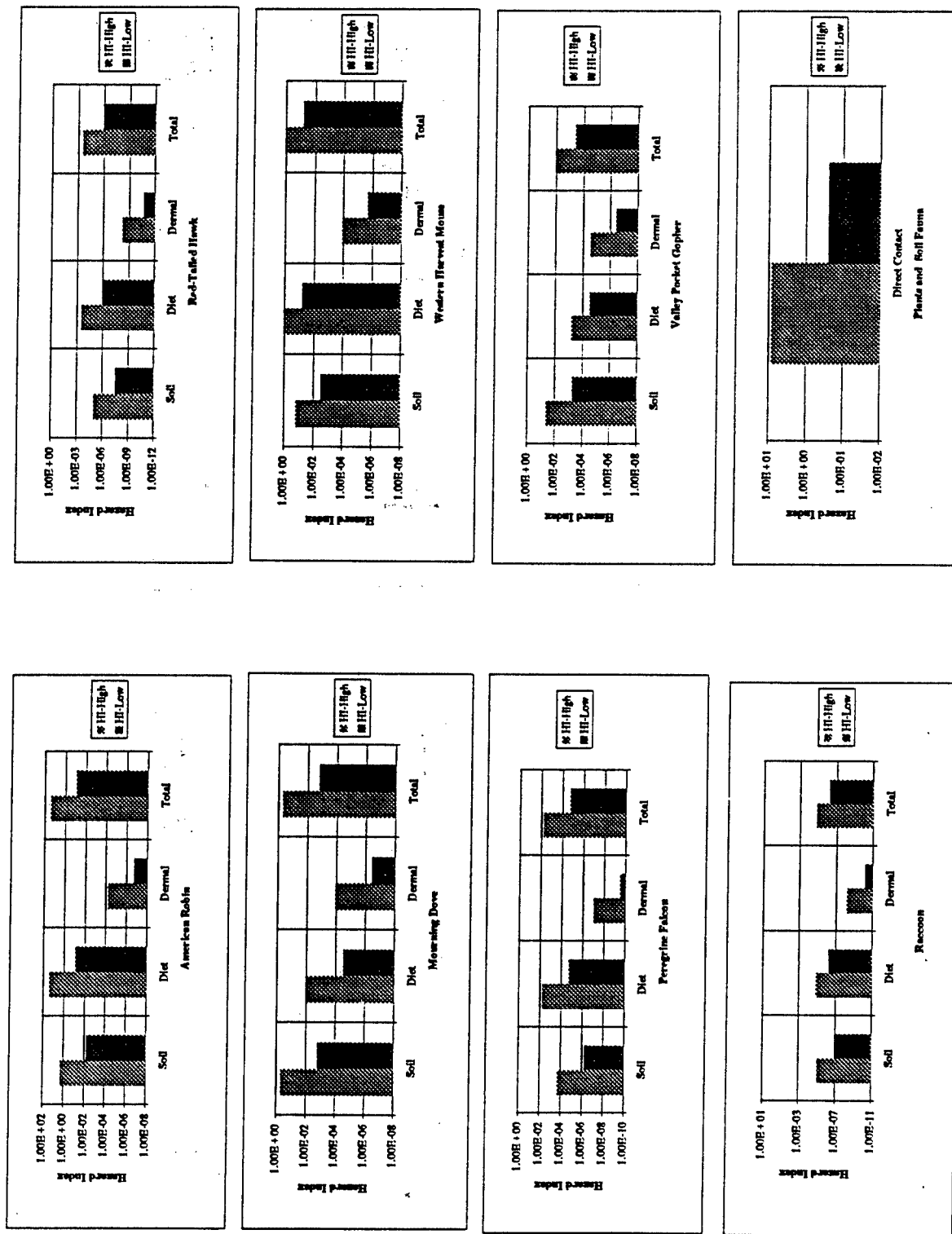


Figure 15.2-42. Hazard Indices for Building 302, Miscellaneous Follow-on RI Sites



Risk Drivers: Mercury

Figure 15.2-43 Hazard Indices for Building 1245, Miscellaneous Follow-on RI Sites

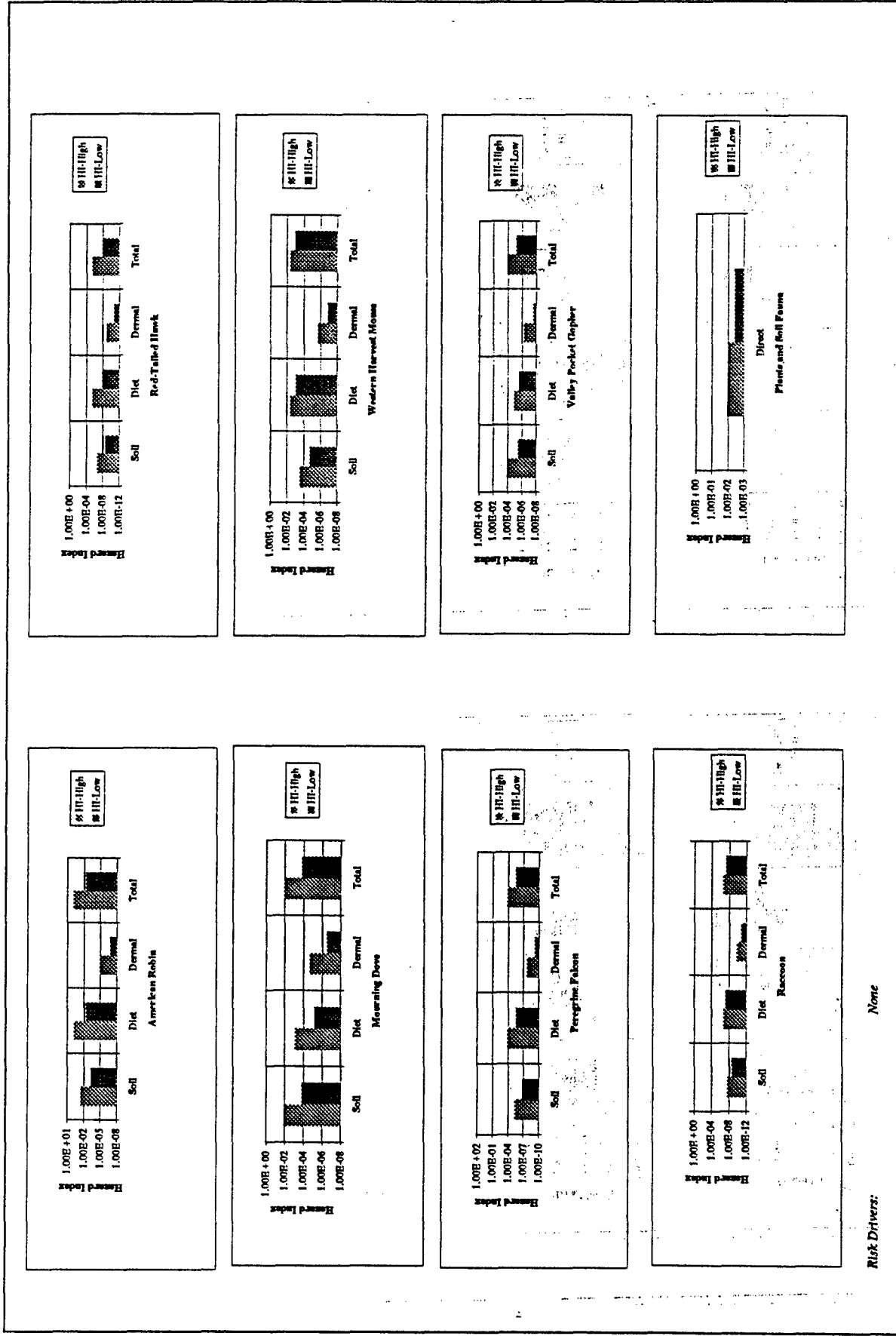


Figure 15.2-44 Hazard Indices for Building 1369, Miscellaneous Follow-on RI Sites

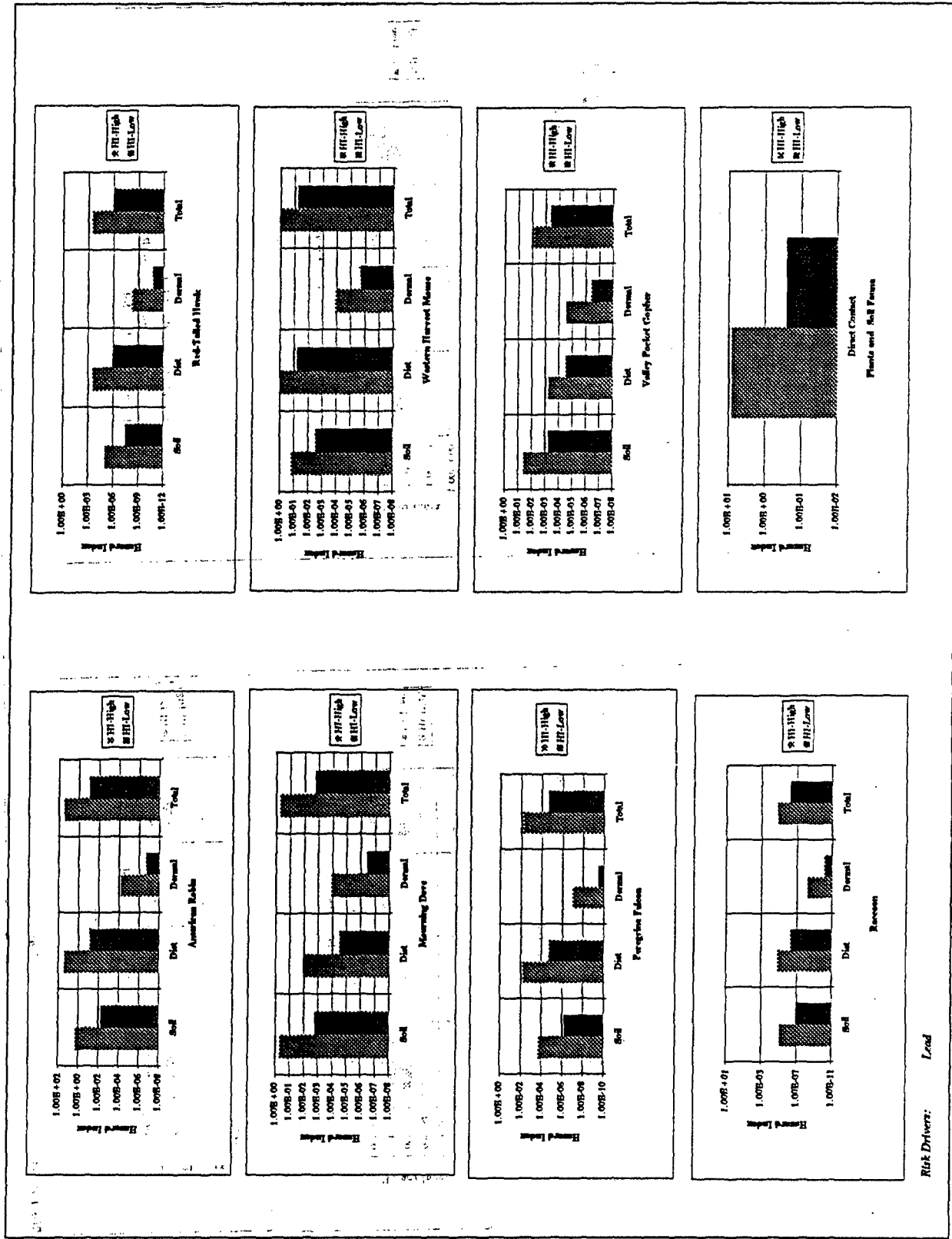
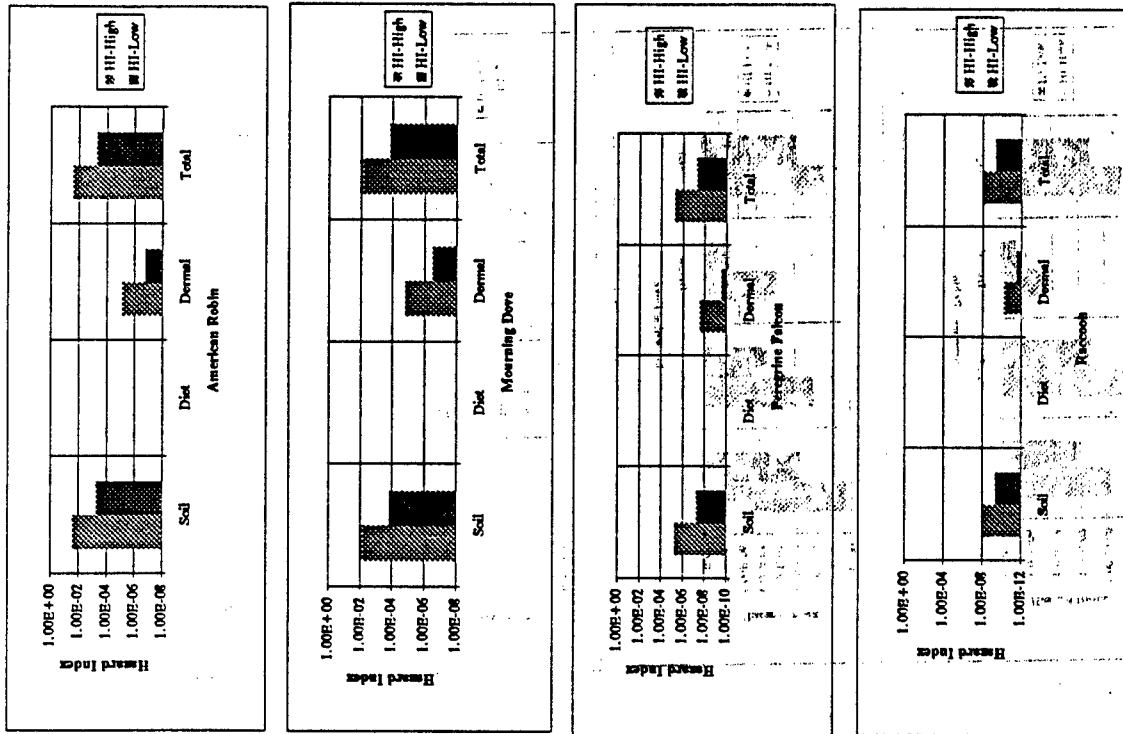


Figure 15.2-45 Hazard Indices for Building 1388, Miscellaneous Follow-on RI Sites



Risk Drivers: None

No TRV for TPHDSL for Plants or Soil Fauna; therefore, no Risk Estimates for This Site.